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EMPLOYMENT OPPORTUNITY WITH [FINRA](#)

POSTING DATE: 3/26/20

Job Title

R-001076 Principal Psychometrician

FLSA Status (exempt, non-exempt)

Non-Exempt

Position Status (full, part-time)

Full- Time

Location (city, state)

Rockville, Maryland

Company Name + Description

FINRA is an Equal Opportunity and Affirmative Action Employer All qualified applicants will receive consideration for employment without regard to age, citizenship status, color, disability, marital status, national origin, race, religion, sex, sexual orientation, gender identity, veteran status or any other classification protected by federal state or local laws as appropriate, or upon the protected status of the person's relatives, friends or associates. FINRA abides by the requirements of 41 CFR 60-741.5(a). This regulation prohibits discrimination against qualified individuals on the basis of disability and requires affirmative action by covered prime contractors and subcontractors to employ and advance in employment qualified individuals with disabilities. FINRA abides by the requirements of 41 CFR 60-300.5(a). This regulation prohibits discrimination against qualified protected veterans and requires affirmative action by covered prime contractors and subcontractors to employ and advance in employment qualified protected veterans. ©2020 FINRA. All rights reserved. FINRA is a registered trademark of the Financial Industry Regulatory Authority, Inc.

Position Description

Provide measurement services in support of testing and continuing education programs and ensure that these programs employ valid, reliable assessments and comply with testing industry standards. Perform routine activities in one or more of the following areas: job/practice analysis, item analysis/calibration, forms/pool assembly, test security, and standard setting. Contribute to ad hoc analyses and research projects to improve program quality.

Essential Job Functions

Rockville (Decoverly)—Provide measurement services in support of testing and continuing education programs and ensure that these programs employ valid, reliable assessments and comply with testing industry standards. Perform routine activities in one or more of the following areas: job/practice analysis, item analysis/calibration, forms/pool assembly, test security, and standard setting. Contribute to ad hoc analyses and research projects to improve program quality.

Perform routine psychometric analyses on the performance of examinations and continuing education programs using Classical Test Theory, Rasch Measurement, and Item Response Theory. Manipulate, analyze, and maintain large data sets. Document results of examination and continuing education analyses. Conduct measurement activities in support of job analysis studies, test specification validation, standard setting, and test security. Perform quality control checks of scoring processes for both computer-delivered and paper-and-pencil test administrations. Conduct ad hoc analyses as directed by senior staff and management. Assist with the development of requirements and user acceptance testing for test-generation, scoring, and statistical systems. Serve as a resource to other staff on assessment, psychometric, and measurement matters including usage of FINRA's proprietary item banking and test delivery system. Keep abreast of new developments in measurement theory and application. Identify developments that may enhance test delivery, exam construction, test security, and/or psychometric methods. Contribute to research efforts with direct application to FINRA and client programs.

Qualifications Preferred (years of experience, education level etc.)

Master's Degree in Psychology, industrial/organizational psychology, or Education, with an emphasis on psychometrics, measurement and assessment, or a related field (e.g., statistics, mathematics, or computer science) Minimum of three (3) years testing industry experience or equivalent combination of education and experience Broad knowledge of industry-accepted measurement methodologies including job/practice analysis, item analysis/calibration, forms assembly, standard setting, and test security. Familiarity with Classical Test Theory, Rasch Measurement, and/or Item Response Theory Strong quantitative skills and exemplary attention-to-detail with a demonstrated ability to produce accurate psychometric results under tight deadlines Strong interpersonal and communication skills (oral and written) with demonstrated ability to work effectively with individuals who have varying levels of measurement expertise Proficiency with standard office software and statistical packages (e.g., R, SPSS, and Rasch/IRT software (e.g., Winsteps, Xcalibre, Parscale).

How to Apply

https://finra.wd1.myworkdayjobs.com/FINRA/job/Rockville-Decoverly/Principal-Psychometrician_R-001076

EMPLOYMENT OPPORTUNITY WITH [NORTHWESTERN UNIVERSITY](http://www.northwestern.edu)

POSTING DATE: 3/14/20

Job Title

Measurement Faculty Positions

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full Time

Location (city, state)

Chicago, IL

Company Name + Description

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women and minorities are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Position Description

The Department of Medical Social Sciences (MSS), Feinberg School of Medicine, Northwestern University invites applications for research faculty candidates with strong skills in psychometric analysis. The Department provides a unique scientific home for applied researchers who integrate biomedical and social science approaches to improvement of health and health care delivery across the lifespan (www.mss.northwestern.edu). MSS provides rich resources for conducting research including a broad scientific portfolio with multiple, large scale datasets across the lifespan, biostatistical and health informatics cores, expertise in assessment methods and collaborative relationships across Northwestern's biomedical and life sciences campuses. In particular, MSS has an extensive array of funded research focused on patient-centered research including psychometrics, cognitive performance assessment, quality of care measurement, symptom management, and comparative effectiveness research. We are seeking candidates at the assistant or associate level whose research focuses on the applications of psychometric methods or who are interested in applying a range of psychometric techniques to health outcomes measurement and/or cognitive ability assessment. This position will be on Northwestern University's research faculty (non-tenure) track. The ideal candidate will have expertise in item response theory (IRT) and/or the development of computer adaptive tests (CAT). Research projects will emphasize measurement and evaluation of patient reported outcomes (PROs), the use of IRT and CAT for the assessment of health and functioning, as well as a wide range of traditional analytic methods. While the position is primarily focused on applied research, the department is also committed to developing and incorporating recent or novel statistical models arising out of practical problems. We are interested in candidates who have experience with statistical consultation or management in a variety of contexts (e.g., multiple departments in academia, industry, or hospital settings). Excellent communication skills are a must.

Essential Job Functions

The position will support instrument development and validation activities by conducting quantitative analyses, including exploratory and confirmatory factor analyses, IRT calibration, and linking (scale alignment), data harmonization, and DIF analyses. The candidate may also be asked to provide analysis to support instrument validation and implementation, such as establishing minimally important differences, intervention recovery trajectories, cut-score standard setting, and meaningful change. Most analyses will focus on patient-reported outcome data on health domains (both physical and mental), as well as cognitive performance tests. The candidate will work on a portfolio of grant-funded projects supporting most of his/her salary. PROMIS and NIH Toolbox The candidate will work on several grant-funded projects that are extensions of the NIH-funded initiatives, such as Patient Reported Outcomes Measurement Information System (PROMIS) and the NIH Toolbox. PROMIS is a large, multi-institutional cooperative group of researchers around the U.S. who have been working for over 10 years to develop a set of novel, rigorously developed patient-reported measures of health status designed to standardize measurement across a range of chronic conditions. The NIH Toolbox for the Assessment of Neurological Behavior and Function is a comprehensive set of neuro-behavioral measurements that quickly assess cognitive, emotional, sensory, and motor functions from an iPad. The NIH Toolbox measures were developed by a team of more than 300 scientists from nearly 100 academic institutions as part of the NIH Blueprint for Neuroscience Research. Grant-funded Projects MSS faculty maintain a funding portfolio that is diverse with respect to population and disease focus. The candidate will be funded under projects that are suited to his/her experience and expertise, including but not limited to the Patient-Centered Assessment Resource (PCAR: Cella, D.), the National Institutes of Health (NIH) Environmental influences on Child Health Outcomes (ECHO) Program (MPI: Gershon, R. and Cella, D.) and Advancing Reliable Measurement in Alzheimer's Disease and Cognitive Aging (ARMADA; MPI: Gershon, R. and Weintraub, S.). The candidate is expected to provide psychometric/analytic support, explanation, and direction on these projects. The candidate will be encouraged to contribute to additional grant applications, but is not required to submit future grants as PI.

Qualifications Preferred (years of experience, education level etc.)

This position is open to individuals who have completed a Ph.D. program in psychology, sociology, education, or health science. Candidates should have experience with quantitative analysis of social science data and a strong record of scholarly publication. Experience with IRT analysis, CAT, and health outcomes research is strongly preferred, but we will consider applications of candidates with other strengths, such as such expertise in different areas (e.g., SEM or longitudinal data analysis), experience in statistical consultation, or management of analysts. Candidates with experience in educational testing are encouraged to apply.

How to Apply

Interested applicants should contact: Richard Gershon, Ph.D. c/o Magda Kupczyk Department of Medical Social Sciences Northwestern University, Feinberg School of Medicine gershon@northwestern.edu cc: magdalena.kupczyk@northwestern.edu Applications will be evaluated on a rolling basis. Send by e-mail the following: 1) a letter of interest including professional goals and areas of research interest; 2) a curriculum vita; 3) representative reprints of publications or submitted manuscripts. In the subject line of the e-mail please include "Applied Psychometrics Faculty." Final candidates will be interviewed by phone or in person and will be required to produce 4 letters of recommendation. For junior candidates, the work contract will be contingent upon receiving a letter from the Ph.D. program's director stating that all requirements for the Ph.D. have been successfully completed.

EMPLOYMENT OPPORTUNITY WITH [THE ASSESSMENT RESOURCE CENTER](#)

POSTING DATE: 3/12/20

Job Title

Senior Director - Assessment Resource Center

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full Time

Location (city, state)

Columbia, MO

Company Name + Description

Assessment Resource Center at the University of Missouri

Position Description

The Assessment Resource Center (ARC) in the College of Education at the University of Missouri seeks an experienced, entrepreneurial researcher to become the next director. We seek a visionary leader who would relish the opportunity to substantially grow the ARC as a research and evaluation center that serves the four-campus University of Missouri (UM) system, and the nation. ARC's mission has been to collect and analyze data to help organizations make meaningful, data-driven decisions. We seek a senior director to deepen and expand this mission to make ARC a premiere research, evaluation, and assessment center. The expanded mission is to advance cutting-edge methodology research, to support the productivity of UM faculty across fields, to facilitate methods training of students, postdocs and faculty, to increase grantsmanship, to raise the research profile of UM, and to generate revenue for the university.

Essential Job Functions

Strategic Planning

- Adapt, implement and monitor a strategic plan and vision to grow the ARC, in collaboration with the leadership team.
- Work closely with College of Education leadership to expand the mission of the ARC and promote the college's research and evaluation enterprise.
- Work closely with researchers and the research infrastructure across the UM system.
- Identify, recommend and implement opportunities for new research, approaches, and resources, and promote synergistic collaborations to serve the mission of the ARC.
- Maintain a positive and inclusive organizational culture

Research Leadership

- Oversee the planning, design, and implementation of major research initiatives.
- Ensure all research and evaluation projects are designed around client needs with sound methodology.
- Negotiate and secure contracts and procure and maintain grants.
- Provide expert advice on research projects.
- Serve as interface between research projects and clients.
- Coach and mentor research staff.
- Participate in data analysis in collaboration with center research staff. Outreach and Business Development
- Supervise the Assistant Director who manages day-to-day operations of the ARC.
- Adjust resources, maintain connections with the community, and provide oversight of the center.
- Secure and maintain excellent professional relations within the College of Education, the University, the state of Missouri, educational institutions and organizations, and business development relationships. Serve as primary client contact.
- Lead and secure proposal efforts.
- Disseminate findings through publication of papers, technical reports, and presentations.
- Generate new business opportunities for revenue and effectively allocate resources to support the financial health of the organization.

Qualifications Preferred (years of experience, education level etc.)

- Ph.D. in research, evaluation, measurement and statistics or equivalent

- Experience conducting research, including leading and managing major and multiple grants from federal agencies
- Research expertise evidenced through publications/presentations and awards.
- Proven ability to develop research staff capacity in research design and methods, project management, client relationships, and business development
- Record of successful leadership from the local to the international level on issues related to research
- Ability to analyze complex problems, formulate plans for resolution and follow through with implementation of the plans, through effective delegation of authority
- Excellent oral, written, and analytical skills, exhibiting fluency in area of specialization.
- High degree of personal integrity
- Ability to establish and maintain effective working relationships with diverse stakeholders, including scholars, industry leaders, students, and staff.

How to Apply

Apply on-line at <https://hrs.missouri.edu/find-a-job> (direct link: tinyurl.com/vw363vk). Upload (a) a letter of application in which candidates describe in detail their qualifications for the position, (b) Resume/CV, and (c) names and contact information for three references.

EMPLOYMENT OPPORTUNITY WITH [THE UNIVERSITY OF ILLINOIS AT CHICAGO](#)
POSTING DATE: 3/5/20**Job Title**

Faculty Open Rank (Tenure and Non-Tenure) Position

FLSA Status (exempt, non-exempt)

NA

Position Status (full, part-time)

Full Time

Location (city, state)

Chicago, IL

Company Name + Description

University of Illinois at Chicago

Position Description

Faculty Open Rank (Tenure and Non-Tenure) Positions in Health Professions Education UNIVERSITY OF ILLINOIS AT CHICAGO

The Department of Medical Education at the University of Illinois at Chicago College of Medicine (UIC DME), the oldest continuously operating department of medical education in the world with a strong commitment to scholarship and leadership in the field, invites applications and nominations for up to two open-rank tenure-track or non-tenure-track faculty positions in the areas of curriculum/evaluation and psychometrics/measurement. These positions carry responsibilities in research, teaching, and service in medical or health professions education, and, for applicants at the Associate Professor or Professor level, opportunities for leadership in departmental programs. DME faculty are expected to maintain active and visible research programs in their area(s) of expertise that advance the field of HPE. Faculty members teach and advise graduate students in the MHPE program and the Doctoral program in Curriculum Studies with a focus in HPE, as well as teach in the department's certificate programs and faculty development activities.

The ideal candidate for these faculty positions will be pursuing an academic career in Health Professions Education (HPE), with broad interests and skills within the discipline as well as depth in curriculum/program evaluation, and/or psychometrics/measurement, demonstrated scholarship, and a track record of funding commensurate with experience. Candidates should indicate their specific field(s) of expertise in HPE and describe their experience in teaching. Experience in medical education or other health professions education is desirable in applicants at the Assistant Professor level, and required for applicants at the Associate Professor or Professor level. PhD, MD, or EdD degree is required. Applicants should indicate their interest by sending a letter, curriculum vitae, names of three references and up to three selected publications or other works of scholarship.

Start dates for the positions are flexible, with immediate start possible. For fullest consideration, please apply by Friday, May 1, 2020.

- Tenure-Track applicants should apply at the following link: jobs.uic.edu/job-board/job-details?jobID=129644&job=faculty-open-rank-tenure-tenure-track-medical-education
- Non-Tenure-Track applicants should apply at the following link: jobs.uic.edu/job-board/job-details?jobID=129916&job=faculty-open-rank-non-tenure-medical-education

For more information, contact Rachel Yudkowsky, Chair, Search Committee, rachely@uic.edu The University of Illinois at Chicago is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

Essential Job Functions

Please see complete job description above.

Qualifications Preferred (years of experience, education level etc.)

Please see complete job description above.

How to Apply

<https://jobs.uic.edu/job-board/job-details?jobID=129644&job=faculty-open-rank-tenure-tenure-track-medical-education>

EMPLOYMENT OPPORTUNITY WITH THE AMERICAN BOARD OF ANESTHESIOLOGY

POSTING DATE: 3/4/20

Job Title

Psychometrician

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full-Time

Location (city, state)

Raleigh, NC

Company Name + Description

The American Board of Anesthesiology, Inc. We are a medical specialty certifying board serving anesthesiologists. Since 1938, we have been administering certification exams and today we take an innovative approach to continuing certification and learning. We foster practice standards that instill confidence and trust that board-certified anesthesiologists have the knowledge and skills to provide high-quality patient care. We are dedicated to elevating expertise in an evolving profession. Our mission is to advance the highest standards of the practice of anesthesiology. We work together with physician anesthesiologists to ensure they provide the best care possible for every patient, every day.

Position Description

This position is responsible for all psychometric activities related to the accurate and timely scoring and reporting of American Board of Anesthesiology (ABA) examinations, including the In-Training Examinations, the BASIC & ADVANCED Examinations, the Part 1 Examination, and the annual subspecialty examinations for Critical Care Medicine, Pain Medicine, Pediatric Anesthesiology, Hospice & Palliative Medicine and Sleep Medicine. This position requires strong analytical and organizational skills, in-depth knowledge of ABA policies and procedures, extreme accuracy and strict attention to detail, and strong written and oral communication skills. This position requires working with multiple other departments within the ABA as well as working with external vendors, including but not limited to our test delivery vendor and others. This position also works closely with the test development department to ensure that examinations are built with high validity, reliability, and defensibility and supports the research activities of the Research Committee.

Specific Responsibilities:

1. Psychometrics
 - Performs operational psychometric analysis, scoring, and reporting for ABA examinations and assessment.
 - Conducts standard setting studies for the ABA examinations and assessment.
 - Conducts the exam score verification process
 - Provides expertise in the exam development and psychometric activities in general.
 - Performs all the other psychometric services as needed to ensure the success of ABA examinations and assessment.
 2. Research
 - Supports the research efforts of the Board by identifying data needs of research projects, performing analysis, and writing up publications.
 - Supports the data reporting needs of the Board.
 - Contributes research ideas to support program development and the mission of the Board.
 3. Other duties as assigned
-

Essential Job Functions

Special Requirements •Ability to lift up to 10 pounds on occasion. •Ability to sit for extended periods of time.

Qualifications Preferred (years of experience, education level etc.)

1. Education
 - Ph.D. in psychometrics, educational measurement, educational psychology, quantitative psychology, statistics, biostatistics, or other closely related quantitative field.

2. Skills
 - Facility with psychometric methods, statistical procedures, and their applications, particularly item response theory, multi-facet Rasch modeling, equating, and scaling.
 - Proficiency with R, Python, or SAS.
 - Experience with LaTeX is a plus.
 - Knowledge of IRT software, equating software, and other key psychometric packages is highly desirable
 - Experience using SQL to query relational database is highly desirable.
 - Excellent written and oral presentation skills, excellent interpersonal skills, including the ability to work closely and successfully with individuals from a variety of professional and educational background.
 - Ability to set priorities and meet deadlines.
 - Demonstrate a commitment to service and continually exhibit a customer service culture.
 - Demonstrate dependability for own actions and their consequences, and for the performance of functions and duties of the ABA.
3. Experience
 - Minimum of two years of experience in a state or national testing program, preferably in the medical education field.
 - Project management experience highly desired.
 - Knowledge of or experience with the Accreditation Council for Graduate Medical Education (ACGME) a plus.
 - Knowledge of or experience with American Board of Medical Specialties (ABMS) a plus.

How to Apply

Please visit www.theaba.org/careers to apply.

EMPLOYMENT OPPORTUNITY WITH [CURRICULUM ASSOCIATES](#)
POSTING DATE: 3/3/20**Job Title**

Senior/Principal Research Scientist

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full-time

Location (city, state)

Remote

Company Name + Description

We were founded by a group of passionate educators with a mission to make classrooms better places. For more than 50 years we have held tight to that mission, ensuring every decision and tool we make supports the educators and students we serve. Our people-first commitment to service extends to our stakeholders at every level, from the passionate employees within our organization to the communities in which we operate.

Position Description

Curriculum Associates is seeking an experienced measurement professional to join our psychometric team. The Senior/Principal Research Scientist position will report to the Senior Director of Psychometrics and will support the ongoing psychometric work for the i-Ready Diagnostic—a large-scale, K-12 computer-adaptive assessment in Reading and Math. In addition, the position will play a critical role in the development of the next generation of psychometric solutions for the i-Ready assessment programs.

Essential Job Functions

Core responsibilities include the following:

- Develop and manage a research agenda to drive decision making around enhancements to the i-Ready assessment programs.
- Independently design and conduct psychometric and research analyses for the i-Ready assessment programs.
- Provide input to engineering and product teams on capabilities needed to incorporate the next generation of psychometric solutions into the i-Ready assessment programs.
- Create and maintain technical specifications and documentation for the psychometric processes and procedures related to the i-Ready assessment programs.
- Conduct analyses necessary to support the ongoing maintenance of a computer adaptive testing program, including field testing, item calibration, and item drift analysis.
- Collaborate closely with test developers to inform test design and item pool development.
- Manage and provide oversight for work conducted by vendors and contractors in support of ongoing psychometric analyses, next generation solutioning, and standard setting.
- Present research study plans and results to the Curriculum Associates' Technical Advisory Committee for feedback.

Some secondary responsibilities may include:

- Mentor junior staff members and provide oversight and direction for psychometric work conducted by team members.
- Contribute to critical research initiatives in completion of the company's multi-year validation and psychometric research agenda, often collaborating with the Research team.
- Represent Curriculum Associates and i-Ready related research via presentations, publications, conference attendance, and other professional development activities.

Qualifications include:

- Ph.D. in Educational Measurement, Psychometrics, Educational Psychology, Quantitative Psychology, or related field.
- For Senior Research Scientist, at least 5 years of experience conducting operational psychometrics for large scale assessment programs, preferably including experience in K-12 educational testing
- For Principal Research Scientist, at least 10 years of experience.
- Demonstrated experience with applying both item response theory (IRT) and classical test theory (CTT) methods.
- Proficiency in statistical programming – SAS (preferred) or R.
- Ability to manipulate, clean, and maintain large, complex datasets in SAS (preferred) or R.
- Proficiency with industry standard measurement software (e.g., Winsteps, FlexMIRT).
- Experience in designing and conducting empirical research studies.
- Strong written and verbal communication skills, with a proven ability to clearly and completely document psychometric analysis procedures and support the choice of a particular analytic technique in a clear and compelling manner.
- Proven ability to manage multiple complex projects while maintaining attention to detail.
- Ability to work in a fast-paced environment and adapt to changing priorities as product needs shift or critical customer issues arise.
- Detailed knowledge of key state and national policies on educational assessment.
- Experience managing an operational CAT program including ongoing monitoring of item pools, fine tuning content balancing algorithms, and working with live and simulated data strongly preferred.

Travel Requirements

- Less than 20% of total time including attendance at team meetings, TAC meetings, planning meetings, and conferences.

Location

- This is a remote position and the entire psychometrics team works remotely from various locations across the US. However, if desired, the candidate may work out of Curriculum Associates offices in Chicago, IL; North Billerica, MA; or Brooklyn, NY.

Qualifications Preferred (years of experience, education level etc.)

-Ph.D. in Educational Measurement, Psychometrics, Educational Psychology, Quantitative Psychology, or related field. -For Senior Research Scientist, at least 5 years of experience conducting operational psychometrics for large scale assessment programs, preferably including experience in K-12 educational testing. For Principal Research Scientist, at least 10 years of experience.

How to Apply

<https://app.jobvite.com/j?cj=ohXpcfww&s=NCME>

EMPLOYMENT OPPORTUNITY WITH [THE NATIONAL REGISTRY OF EMTs](#)
POSTING DATE: 3/3/20

Job Title

ASSOCIATE PSYCHOMETRICIAN

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full time

Location (city, state)

Columbus, Ohio

Company Name + Description

The National Registry of Emergency Medical Technicians, a non-profit organization based in Columbus, Ohio, is the National Emergency Medical Services (EMS) Certification organization. The mission of the National Registry is to provide a valid, uniform process to assess the knowledge and skills required for competent practice of EMS professionals throughout their careers, and to maintain a registry of certification status. Working with National Registry: The National Registry's leadership and staff are passionate about protecting the public by ensuring the nation's emergency medical services professionals, who work diligently to keep our communities safe, are competent and properly certified. We are a diverse team committed to quality, integrity, and professionalism, and work collaboratively to create a difference in the public safety and healthcare industry.

Position Description

The Associate Psychometrician is responsible for performing psychometric activities for examinations, as assigned, and assisting with improving psychometric methods and relevant issues in the evaluation of pre-hospital knowledge, skills, and abilities.

Essential Job Functions

Job requirements include, but are not limited to the following:

- Conducts psychometric analyses such as item calibration, item analysis, differential item functioning, equating analyses
- Conducts validity and reliability studies as assigned
- Supports standard setting meetings
- Ensures that all deliverables are completed with minimal error and in a timely manner
- Develops and maintains project-specific documentation (e.g., project overview, work instructions)
- Works collaboratively with other members of the psychometric and examinations teams
- Provides technical or procedural guidance to staff
- Performs additional duties as assigned

Essential Skills and Competencies:

- Experience using SAS and WINSTEPS
- Understanding of item calibration, item analysis, and score equating using item response theory methods
- General understanding of the Standards for Educational and Psychological Testing Effective communication skills (written and verbal)
- Strong problem-solving skills and attention to details
- Positive attitude and commitment to meet the needs of the team
- General understanding of project management terms and methodology

Administrative support functions:

- Ability to exercise discretion, maintain confidentiality, and test security
- Ability to prioritize multiple tasks/demands and meet deadlines
- Approaches challenging situations positively and participates in the development of realistic solutions
- Possesses high ethical standards

Other Requirements:

- Must be available to work in Columbus, OH, Monday through Friday from 8:30 a.m. to 5 p.m. EDT. Remote option may be available.

The National Registry is an equal opportunity employer. The chosen candidate must pass a pre-employment criminal background check. Candidate must be authorized to permanently work in the U.S.

Qualifications Preferred (years of experience, education level etc.)

Educational Requirements: Ph.D. in educational statistics, psychology, measurement, or a related degree required

How to Apply

<https://recruiting.paylocity.com/recruiting/jobs/All/2eba1a0a-d60f-4fd8-95ab-90b070f1d9f2/National-Registry-of-EMTs>

EMPLOYMENT OPPORTUNITY WITH THE AMERICAN BOARD OF INTERNAL MEDICINE

POSTING DATE: 2/25/20

Job Title

Psychometrician

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full-time

Location (city, state)

Philadelphia, PA

Company Name + Description

American Board of Internal Medicine

Position Description

The American Board of Internal Medicine (ABIM) is currently seeking a Psychometrician to join our team. In this role, the Psychometrician is responsible for leading the psychometric activities for examinations and facilitating improved psychometric methods and relevant issues in the evaluation of medical knowledge and education.

Essential Job Functions

Reporting to the Vice President, Psychometrics, the Psychometrician has the following primary responsibilities: ·

- Facilitate/perform item analysis, IRT calibrations, scoring, equating, standard setting, and validity and reliability studies for several certification examinations
- Collaborate with subject matter experts and exam developers in item development and review processes and exam design, development, and review processes.
- Report examination results and related research to physician and non-physician audiences.
- Provide oversight and support for assistants/data analysts in research projects and operational work.
- Handle inquiries related to examination scoring.
- Conduct independent scholarly research and communicate results to the board and to the research community
- Collaborate on research and development projects within and across departments.
- Advise on research, measurement, statistical, and systems issues.
- Plan for projects by anticipating work and the required resources, and understand the importance of operational and project planning processes as it relates to the use of company's fiscal and human resources.

Qualifications Preferred (years of experience, education level etc.)

The ideal candidate has a doctorate degree in educational/psychological measurement, statistics, or related field with three to five years of experience and has the ability to effectively use statistical analysis programs and IRT software including (but not limited to) SAS, R, SPSS and PARSCALE. In addition, experience in the principles and application of psychometrics including item response theory (i.e., item calibration, item evaluation, and IRT scoring), classical test theory, equating, and standard setting. To thrive in this role at ABIM, one must have excellent communication, organizational, planning and problem-solving skills.

Paid relocation applicable, if outside of PA-DE-NJ region.

How to Apply

At the American Board of Internal Medicine (ABIM), our team of unique and talented professionals, and the inspiring work they do, are essential to meeting the needs and expectations of ABIM's diverse community of physicians. ABIM is like no other workplace, and we are proud of it. We are committed to recognizing the importance of our people by investing in their lives through ongoing learning opportunities and exceptional total compensation & benefit offerings. We look forward to learning more about your interest in joining our team. Apply online, or email your resume to careers@abim.org. EOE

EMPLOYMENT OPPORTUNITY WITH [CURRICULUM ASSOCIATES](#)

POSTING DATE: 2/21/20

Job Title

Data Analyst

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full

Location (city, state)

Billerica, MA or Remote

Company Name + Description

Curriculum Associates For 50 years, Curriculum Associates (CA) has been united around one common purpose: to make classrooms better places for teachers and students. In the years since, we've remained driven by this mission, introducing and then constantly improving innovative and exciting products that give every student the chance to succeed. We believe teachers are the essential glue between our programs and classroom success, so we strive to empower them with the tools and resources to accelerate student growth. Together with educators we're making equitable learning programs a reality—raising the bar and making it reachable for all.

Position Description

Curriculum Associates is a rapidly growing educational technology and publishing company committed to making classrooms better places for teachers and students. We are seeking talented individuals with strong data and analytical skills to join our growing Research and Psychometric team. In this role, you'll participate in a broad range of projects related to Curriculum Associates' suite of assessment and instruction products. The Data Analyst will work on pulling together complex datasets, building data infrastructure, and conducting basic frequency and descriptive analyses for research and psychometric projects. This position is largely quantitative and will require advanced SQL, SAS and/or R programming and data management skills, particularly of large and complex datasets.

This opportunity is right for you if:

- You love spending your days bringing order to very large, messy, complex data structures
- You are obsessed with data quality and data integrity.
- You are passionate about K-12 education and want to make a positive impact for students and teachers.

The impact you'll have:

- You'll use SQL to create datasets to be used for internal and external applied educational research and psychometric projects.

- Generate and maintain documentation of data variables and data sets via data dictionaries stored in central locations.
- Maintain and update code to query data and conduct analyses in a centralized location, such as a code repository or network drive.
- Conduct a range of basic data analysis and reporting projects, as well as assist with high level data analysis for applied education research and psychometric projects.
- Contribute to quality control processes to ensure accuracy of data sets and analyses for applied educational research and psychometric projects.

Who we're looking for:

- Comfortable independently writing complex and efficient SQL queries and joining multiple tables within a large relational database.
- Curiosity and initiative to learn new technologies and skills, and to procure information using available resources.
- Excellent written and verbal communication skills, ideally with experience communicating complex technical topics to lay audiences.
- Proven ability to manage multiple complex projects while maintaining a high level of attention to detail.
- Ability to work in a self-directed way.
- Ability to use critical thinking skills to identify issues with data accuracy and data integrity.
- Ability to thrive in a fast-paced environment and adapt to changing priorities as needs shift or critical customer issues arise.
- A degree in mathematics, information systems, data analytics, education, social sciences or related areas. A Master's degree is preferred.
- Experience working with SAS, R, or similar coding language for manipulating data and conducting statistical analyses.

We'd also love to see, though not required:

- Familiarity with the field of education, especially the current national K-12 curriculum and assessment landscape.
- Knowledge of research design, matching algorithms, and statistical analysis.
- Knowledge of educational measurement principles, including familiarity with psychometric concepts such as measurement error, validity, and reliability estimation and IRT.
- 1 - 3 years of experience in a similar role.

Why join this team:

- Exciting opportunities for growth and learning in our rapidly expanding team.
- We are a close-knit group and strive to maintain a supportive, collaborative, welcoming, and fun working environment.
- Opportunities to improve the lives of students and teachers through data-driven decision making around assessment and instruction.

More about this role:

- Location: Curriculum Associates is a socially responsible, rapidly growing educational company headquartered northwest of Boston, MA. This is a remote position which will work collaboratively with a team of other researchers, most of whom are also working remotely.
- Starting date: ASAP
- Travel expectations: Less than 10% of total time. Travel for this position will likely include one semi-annual team meeting, one semi-annual technical advisory committee meeting, and travel to national conferences when proposals have been accepted.
- Compensation & benefits: Competitive salary with great benefits including health, dental, and vision insurance, employer contributed 401K.
- A cover letter is required for consideration. At Curriculum Associates, we believe a diverse team leads to diversity in thinking, making our products better for teachers and students. If you read this job description, feel energized by what you see here, and believe you could bring passion and commitment to the role, but you aren't sure you meet every qualification, please apply! Above all, we are looking for the right person!

Essential Job Functions

- You'll use SQL to create datasets to be used for internal and external applied educational research and psychometric projects.
- Generate and maintain documentation of data variables and data sets via data dictionaries stored in central locations.
- Maintain and update code to query data and conduct analyses in a centralized location, such as a code repository or network drive.
- Conduct a range of basic data analysis and reporting projects, as well as assist with high level data analysis for applied education research and psychometric projects.
- Contribute to quality control processes to ensure accuracy of data sets and analyses for applied educational research and psychometric projects.

Qualifications Preferred (years of experience, education level etc.)

Who we're looking for: · A degree in mathematics, information systems, data analytics, education, social sciences or related areas. A Master's degree is preferred. 1 - 3 years of experience in a similar role.

How to Apply

<https://app.jobvite.com/j?cj=oZK1bfwF&s=NCME>

EMPLOYMENT OPPORTUNITY WITH [THE UNIVERSITY OF COLORADO-SCHOOL OF MEDICINE](#)

POSTING DATE: 2/14/20

Job Title

Psychometrician

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full-time

Location (city, state)

Aurora, CO

Company Name + Description

University of Colorado - School of Medicine

Position Description

The University of Colorado Denver- Anschutz Medical Campus seeks individuals with demonstrated commitment to creating an inclusive learning and working environment. We value the ability to engage effectively with students, faculty and staff of diverse backgrounds. The University of Colorado School of Medicine's (CUSOM) Office of Assessment, Evaluation, and Outcomes (AEO) has an opening for a full-time Psychometrician. The Psychometrician will support the newly formed Office of AEO as the CUSOM embarks on a substantial and innovative curriculum reform in 2021. Under the leadership and supervision of the Director of AEO, this position will assist with implementing a comprehensive program of assessment and evaluating the new curriculum and its outcomes, with a heavy emphasis on data analysis.

Essential Job Functions

- Assist with the design and development of a systematic and ongoing program of assessment for the new curriculum.
- Select and apply psychometric models to evaluate various types of assessment data, including, but not limited to, classical test theory, generalizability theory, and item response theory family models.
- Create and manage relational databases to quickly access, connect, and analyze assessment and student data.
- Support the organization and maintenance of high-quality data in the Student Data Warehouse, and conduct statistical analyses of the data to support educational research or quality improvement efforts.
- Conduct advanced statistical analyses and develop new measures to help identify at-risk students.
- Assist with the maintenance of a student "Dashfolio" that tracks and reports individual student performance across the curriculum.
- Ensure quality control of assessment data, analyses, and results reporting.
- Support tracking, collection, and reporting of student performance data in meeting LCME accreditation requirements and the accreditation efforts of other CU campuses.
- Collaborate with and provide guidance to AEO staff on technical aspects of their work.
- Document technical and operational procedures as relates to scoring and other assessment activities.
- Support faculty development opportunities in assessment, including, but not limited to, assisting with facilitation of blueprinting, item writing, and standard setting workshops.
- Assist with research and scholarship initiatives designed to improve student educational outcomes, including preparation of reports, white papers, and journal articles.
- Support other data analysis and research efforts for the department, Office of Medical Education, and CUSOM students, staff, and faculty.

Qualifications Preferred (years of experience, education level etc.)

Minimum Qualifications:

- Doctoral degree in education, measurement, psychology, statistics, or related field
- Demonstrated experience in analyzing assessment instruments
- Eligible to hold a Senior Instructor appointment Knowledge, Skills, and Abilities
- Deep knowledge of psychometric analyses and quantitative and qualitative research design
- Ability to analyze and communicate complex data
- Excellent analytical, oral, written, presentation, and interpersonal communication skills
- Ability to collaborate effectively with team members, faculty, and other CUSOM employees
- Proficiency in the use of data analysis tools and specialized psychometric software (e.g., R, Winsteps, SPSS, SAS)
- An active interest in ongoing professional development in areas of assessment Preferred Qualifications
- Demonstrated academic leadership
- Demonstrated record of disseminating research findings to various stakeholders through presentations, reports, and publications
- Experience working at an LCME-accredited medical school

How to Apply

Please apply online at CU Careers: <https://cu.taleo.net/careersection/2/jobdetail.ftl?job=18263&lang=en>

EMPLOYMENT OPPORTUNITY WITH THE AMERICAN BOARD OF PEDIATRICS**POSTING DATE: 2/14/20****Job Title**

Psychometrician

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full-Time

Location (city, state)

Chapel Hill, NC

Company Name + Description

The American Board of Pediatrics certifies general pediatricians and pediatric subspecialists based on standards of excellence that lead to high quality health care during infancy, childhood, adolescence, and the transition into adulthood. The ABP certification provides assurance to the public that a general pediatrician or pediatric subspecialist has successfully completed accredited training and fulfills the continuous evaluation requirements that encompass the six core competencies: patient care, medical knowledge, practice-based learning and improvement, interpersonal and communication skills, professionalism, and systems-based practice. The ABP's quest for excellence is evident in its rigorous evaluation process and in new initiatives undertaken that not only continually improve the standards of its certification but also advance the science, education, study, and practice of pediatrics.

Position Description

Position Summary: This position reports to the Director of Psychometrics and will be involved in psychometric activities including but not limited to (1) scoring, (2) score reporting, (3) item analysis/calibration, (4) job analysis, (5) standard setting, (6) psychometric research and data analysis, and (7) documentation and improvement of psychometric policies and procedures.

Essential Job Functions

Preferred Skills and Experience: Required: • A minimum of two years of experience working with one or more certification organizations • The knowledge and skills necessary to perform core psychometric tasks, including scoring and score reporting, item analysis and calibration, test equating and scaling, job analysis, standard setting, and data analysis • Strong knowledge of both classical test theory (CTT) and item response theory (IRT) • Ability to develop and execute Winsteps control files for IRT calibration, equating, and scoring • Strong meeting facilitation skills • Experience with planning and facilitating psychometric meetings (e.g., job analysis, standard setting, item development) • Strong communication skills, both written and verbal, including the ability to explain complex, technical, or quantitative information to non-technical audiences • Ability to write technical reports summarizing psychometric activities • Time management skills, including the ability to set priorities and a strong commitment to meeting deadlines • Ability to work independently and collaboratively • High attention to detail Preferred: • SAS and R programming skills and experience • Database management skills, including knowledge of relational tables and SQL language • Data visualization and presentation skills • Knowledge, skills, and experience with assessment engineering, augmented/automatic item generation, advanced statistical modeling (especially predictive modeling used in machine learning applications), and/or advanced test security analysis

Qualifications Preferred (years of experience, education level etc.)

Education: A PhD in educational measurement or a closely related field (e.g., industrial/organizational psychology, educational psychology) is required. Preference will be given to candidates already possessing a PhD, but candidates who anticipate completing their doctoral degree in 2020 will also be considered.

How to Apply

Send resumes to sgainey@abpeds.org

EMPLOYMENT OPPORTUNITY WITH [APhA](#)**POSTING DATE: 2/3/20****Job Title**

Senior Psychometrician

FLSA Status (exempt, non-exempt)

Exempt

Position Status (full, part-time)

Full Time

Location (city, state)

Washington DC preferred; remote option will be considered for a candidate with a proven track record of telecommuting

Company Name + Description

American Pharmacists Association

Position Description

The BPS Psychometrician designs, organizes, implements, and documents development and validation activities to support intended interpretation and use of test scores. The psychometrician consults with senior leadership, internal staff, and external vendors about appropriate methods and communicates processes and results to stakeholders and the public. The BPS Psychometrician designs, organizes, implements, and documents development and validation activities to support intended interpretation and use of test scores. The psychometrician consults with senior leadership, internal staff, and external vendors about appropriate methods and communicates processes and results to stakeholders and the public.

Essential Job FunctionsCore Validation Activities (60%)

- Designs, organizes, implements, and documents validation activities related to BPS certification programs (e.g., practice or job analysis, standard setting, custom validity studies) using appropriate methods that are consistent with industry standards and best practice.
- Interprets and clearly communicates the results of psychometric analyses to stakeholders through written and oral reports.
- Consults with leadership, internal staff, external consultants and industry leaders regarding current measurement theory and test development practices.
- Serves as lead for standard setting studies and role delineation studies.
- Conducts equating of forms, determining appropriate methodologies (Rasch or classical, pre-or-post equating) as appropriate, to ensure fairness of examinations and defensible certification decisions.
- Conduct item reviews in collaboration with subject matter experts when items are flagged.
- Uses item and test statistics, along with the concepts of reliability and validity, and analyzes the performance of items and tests.
- Performs item- and form-level analyses of examinations; in conjunction with SDPT, conducts post-window scoring and equating of test forms, and documents results. Imports and manages item-level statistics in item bank software.
- Prepares technical reports for standard settings, role delineation studies, equating studies, pass rate summaries
- Actively contribute to the testing industry through research, presentations, and service.

Examination Management (25%)

- Works closely with Certification Project Manager to ensure psychometric and examination development operational work complies with process and schedule.
- Works collaboratively with internal staff to support Specialty Council training, meeting logistics, and oversight of workflows.
- Supports and provides guidance to BPS Specialty Councils and committees to ensure a professional and defensible certification program is followed, and that appropriate decision impacting stakeholders are made.
- Contributes to the processes that assure secure and well-run test administrations.
- Works with external vendors to assure a valid and reliable scoring process is used.
- Oversees the creation of test forms with Exam Developers to meet specialty content outlines, in collaboration with BPS Specialty Councils and senior staff

Quality Assurance and Accreditation (15%)

- In conjunction with SDPT, develops recommendations for process improvement, including efficiency measures in examination develop and scoring, volunteer training and management, and other examination-related functions.
 - In conjunction with the Senior Director, Quality Assurance, contributes to the development of policies and procedures to assure that the BPS certification programs are compliant with the accreditation standards set by the National Council for Certifying Agencies (NCCA) and ISO 17024.
 - Supports accreditation activities by preparing technical reports and providing expert opinion as related to compliance to the NCCA and ISO 17024.
 - Contributes to request for proposal (RFP) development and evaluation of vendor responses as current contracts approach term dates.
 - Initiate / participate in relevant research activities to further BPS's mission. Supports BPS's research efforts by analysis of post-examination survey and other data.
-

Qualifications Preferred (years of experience, education level etc.)

Ph.D. in Psychometrics, Educational Psychology, Educational Measurement, I/O psychology or closely related field. Minimum of five years of previous experience working in exam development and psychometrics, preferably with licensure and/or certification organizations.

How to Apply

<https://www.pharmacist.com/employment-0>

EMPLOYMENT OPPORTUNITY WITH [KAPLAN TEST PREP](#)

POSTING DATE: 1/30/20

Positions: 2 graduate student interns.

- Candidates must be full-time graduate students at an accredited university or college
- Candidates must be enrolled, and in good standing, in a Ph.D. program in psychometrics, educational measurement, educational psychology, applied statistics, or any other field that is directly related to educational testing, assessment and/or cognitive evaluation

Requirements: Candidates must have demonstrated the ability to work both independently and as part of a team.

- Successful candidates should have completed at least 2 years of graduate studies at the time of the internship start
- Prior coursework in univariate and multivariate statistics, Classical Test Theory and Item Response Theory is a must
- Candidate must be proficient in the R programming language
- Prior knowledge and/or interest in process data mining is preferred, but not required

Where: Kaplan Test Prep headquarters in Manhattan, New York, NY.

- Interns will work along with other Learning Science and Analytics colleagues in New York City
- The Kaplan Test Prep office provides a subsidized lunch program Monday, Tuesday and Thursday (through Foda)
- Open cafeteria with free coffee, tea, and variety of breakfast and lunch snacks

Housing: Housing is available to graduate student interns in Kaplan's shared private-room furnished apartment.

- Each room comes with a flat screen cable TV, and wifi throughout
- The shared space includes a kitchen, eating areas, living room with couches, and cable TV
- The full kitchen includes dishwasher, microwave, oven, and refrigerator
- Roof-top terrace with tables, chairs, grills, lights, and great views
- Housing is guaranteed for only the accepted interns (spouses, friends, guests, etc. and pets are not permitted)
- Apartments are smoke-free
- Included housekeeping is done weekly, and includes cleaning the apartment, and new towels and sheets
- Interns who chose not to live in the corporate housing will not be reimbursed for rent

Duration: 8 weeks, June 1 - July 24, 2020.

- The internship is a temporary 40 hours per week full-time position
- Internship time is somewhat flexible with prior clearance from Kaplan Test Prep
- If prior conference obligations have been made, interns can request to add respective makeup time at the end of the internship

Compensation: This is a paid internship at \$35 an hour, subject to local, state and federal taxes.

Travel: Kaplan Test Prep will reimburse accepted candidates for their travel to and from New York City, up to \$1,000 total.

- If any travel will be necessary to attend prior engagements (such as a conferences during the time of the internship) Kaplan Test Prep will not reimburse interns for any travel they elect to do

Projects: Successful candidates will be expected to prepare, execute and summarize their respective projects during the 8 week window of their residency at Kaplan Test Prep.

- Successful candidates will be assigned to a project, on which they will work under the auspice of an assigned mentor
- Interns will be given professional, industry and technical development opportunities throughout their stay at Kaplan Test Prep
- The two projects for the 2020 cohort will focus on issues in process data mining for personalized usage suggestions and predicting outcomes for validity evidence:

Project 1 Guiding learning achievements through performance and asset usage process data

Kaplan Test Prep offers a large variety of instructional and assessment assets that are available for learners to select and assemble their own personalized, self-paced learning environment. As self-paced learning is customized, it challenges learners to be knowledgeable about learning strategies that keep them on track. Making individual progress-specific recommendations will help learners to make full use of the available material, and ultimately achieve their own pre-set goals. This project will investigate methods to a) identify potential low-performing learners by mining asset-usage data and Qbank performance data in early stages (The question bank enables learner-customized quizzes.), and b) make tentative usage suggestions to assist learning achievement based on performance growth tracking. The intern will work with the psychometric team to refine the scope of the research study with process data (i.e. item response time, video viewing, quiz submission, etc.) from GRE practice course packages. Research experience in Item Response Theory (IRT), Computer Adaptive Testing (CAT), growth modeling, and strong interest in machine learning - specifically supervised learning and recommendation systems - are strongly encouraged.

Project 2 Predicting learning outcomes using practice data and learning behaviors

Kaplan Test Prep (KTP) provides various exam preparation for students and learners with a large set of courses, lectures, quizzes, and question banks. It is of great interest for KTP to understand the validity of its learning assets, and thereby be able to predict the learners' future success. This project will investigate and reveal the interrelationship among the ultimate learning outcomes and data points from multiple sources (including practice test performance, learning behaviors, log files, etc.). The intern will work with the psychometric team using data from one of KTP's licensure groups to explore, develop, and validate models predicting learning outcomes in the licensure test preparation field. Research experience or strong interest in psychometrics, statistics, educational data mining, predictive modeling, and test validation are strongly encouraged.

International Student:

International students who are enrolled at an accredited institution under F-1 visas are eligible for the internship under Curricular Practice Training (CPT). Candidates should not apply for CPT unless they have been accepted for the position.

Application: In order to apply, please prepare a single pdf file (labeled with your last name and submission date; i.e. bellows_2020-1-30.pdf) containing a current curriculum vitae (CV), a single page cover letter, stating your interest and desired benefits you would like to get out of the internship experience, and an unofficial transcript from your university. To apply, fill out an application at https://ghc.wd1.myworkdayjobs.com/KTP_Careers/job/New-York-NY-USA/Psychometrician-Intern_JR203258. Please upload your combined PDF document under "Resume/CV" in the application.

Deadline: Applications must be submitted electronically through the link provided above, no later than 11:59 PM EST, on February 7, 2020. Decisions regarding acceptance will be e-mailed to candidates by March 6, 2020.

Questions: If you have any questions please e-mail LSinternship@kaplan.com with the subject line "2020 Psychometric Internship Question".