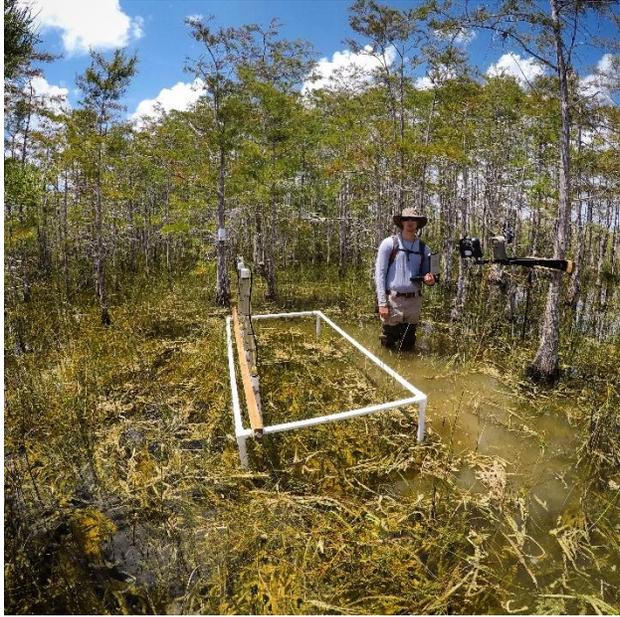


[Troy Bole](#) is currently in his 2nd year of the MS program in the Department of Geosciences at Florida Atlantic University (FAU) where he works with his advisor Dr. Xavier Comas. Troy's current work broadly falls within the biogeosciences field and focuses on using a combination of ground penetrating radar, capacitance probes, gas traps, and time-lapse cameras to study biogenic gas (i.e. carbon dioxide and methane) dynamics in the Everglades. Much of his research involves field work within Arthur R. Marshall Loxahatchee National Wildlife Refuge where he drives an airboat to reach his various study sites. During his undergraduate (University of Akron, 2017) Troy discovered his interest in geophysics. Being exposed to various geophysical methods and applications at the undergraduate level cemented Troy's interest in combining physics and geology and lead him to pursue an advanced degree. While at University of Akron, Troy served as the President of the American Association of Petroleum Geologists (AAPG) Student Chapter and was the runner up for the 2016 North-Central Section Geological Society of America (GSA) Poster Award. For this [work](#), Troy analyzed a series of sediment cores from Lake Tanganyika, Africa for mercury concentrations. Upon entering FAU in 2017, Troy was awarded the Provost Fellowship Award which is given to new masters or doctorate students with an outstanding record, reflecting the strong work ethic he has demonstrated throughout his academic career. Troy is a new member to the near-surface geophysics community and the upcoming AGU Fall Meeting will be Troy's first! He is particularly excited to present work from his master's thesis and to meet other like-minded individuals, so don't forget to check his work out. Troy plans on graduating this upcoming spring and is interested in pursuing research involving planetary exploration (in particular Mars) using geophysical techniques.



For more information about his work in Everglades, please contact [Troy Bole](#).

Interested in being highlighted, or know a student who should be? Please email [Matthew Sirianni](#) for more information about the Student Spotlight. We are also seeking research highlights that showcase use of near-surface geophysics in other [AGU sections and focus groups](#). If you are interested in writing a short, one-page highlight, please contact [Chi Zhang](#).