

[Noah Dewar](#) is currently a 2nd year PhD Student in the Environmental Geophysics Department at Stanford University studying under Dr. Rosemary Knight. Noah's primary research centers around airborne and ground-based time domain electromagnetics.

As a high school student, Noah always loved and excelled at physics, and when he found out that geophysics was an undergraduate major, he jumped at the opportunity to combine his love for the outdoors and aptitude for physics.



After graduating from McGill University (2012) with a joint major in physics and geophysics, Noah landed a job with a ground-based geophysical surveying company that mainly served the mining industry. Noah later moved to a new position as a geophysicist/field crew chief for airborne geophysics. Eventually, Noah found that he was bored with his responsibilities and wanted to do more of the data interpretation and research rather than just the acquisition and processing. This desire led him to Stanford where he is using near surface geophysics to study groundwater in California.

Recently, Noah was a member of a collaborative team from Stanford University and Duke University that developed a new methodology to map peat thickness in Indonesia as part of an Indonesian government sponsored contest. In the first phase of this project, Noah was responsible for modelling the airborne electromagnetic data to test our methodology on a synthetic example. For the second phase, he was part of a team that travelled to Indonesia to acquire field data for the final report to be submitted to the contest. While they didn't end up winning the contest, the novel methodology will be published soon.

Noah has only been to AGU once before but plans to become more active and attend every year in the future. Being early in his degree program, Noah is leaving his options open and looking for the right opportunity that combines his love for research and tackling hard and interesting problems.

For more information on airborne and ground-based time domain electromagnetics, please contact [Noah Dewar](#).

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](#).