

Ian M. Nesbitt

Master's student with extensive data analysis and programming experience

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EDUCATION

- **University of Maine** Orono, ME
Master of Science in Earth and Climate Science expected, August 2021; GPA: 3.97 Aug. 2017 – Present
- **Williams College** Williamstown, MA
Bachelor of Arts in Geosciences, June 2, 2013 Sep. 2009 – Jun. 2013

EXPERIENCE

- **University of Maine** Orono, ME
Graduate Assistant Aug. 2017 - Present
 - **Research Assistant - Geophysics:** Research project on lake sedimentation using ground-penetrating radar. Creating sediment volume model and establishing post-glacial sedimentary history for a lake in Maine, USA.
 - **Teaching Assistant - Earth Systems:** Upper-level undergraduate TA, responsible for grading, teaching lecture, and assisting in lab setting. Co-taught Climate Change and Earth Systems courses.
 - **Software Development:** Wrote and documented readgssi, a tool to visualize data from GSSI radar devices. Helped develop SeidarT, a project to model the propagation of waves through media with various properties.
 - **Geophysical Survey Lead:** Designed and conducted ground penetrating radar survey on field expedition to Allen Hills Blue Ice Area, East Antarctic Ice Sheet.
- **Raspberry Shake, S.A.** Boquete, Chiriqui, Panama
Technical Support/Software Development Sep. 2018 - Aug. 2020
 - **Technical Support:** Provided support to end users and clients, documented bugs, and assisted development team in debugging and testing.
 - **Software Development:** Wrote, documented, and published rsudp, an educational tool used to visualize and monitor data from Raspberry Shake devices.
- **e4sciences LLC** Sandy Hook, CT
Geophysical Scientist Mar. 2014 - May 2017
 - **Team Leader - Land/Marine Geophysical Survey:** Led field team for many types of geophysical survey including Mobile LiDAR, ground-penetrating radar, high-precision GPS, multibeam and singlebeam echosounding, sub-bottom seismic, sidescan sonar. Field interpretation, data handling, and on-the-ground operations decision-making.
 - **Mobile LiDAR Processing and Interpretation:** Created workflow to expedite mobile LiDAR processing. Created deliverable LiDAR products. Interpreted and reported findings.
- **St. Michael's College** Colchester, VT
Assistant Nordic Ski Coach Oct. 2013 - Mar. 2014
 - **Athlete Development and Race Support:** Created and supervised individualized training plans for athletes. Technique instruction. Race day preparation and logistics.
- **Williams College** Williamstown, MA
Research and Teaching Assistant, GIS and Remote Sensing, Geomorphology Jan. 2012 - Oct. 2013

AWARDS AND HONORS

- Golden Key** invited Mar. 2021
- Co-President Williams Class of 2013** Jun. 2018 - present
- Reunion Chair Williams Class of 2013** Jun. 2013 - Jul. 2018
- Sigma Xi** inducted Jun. 2013
- Williams Class of 1960 Scholar in Geosciences** Sep. 2012

PROJECTS

- **Master's Thesis:** Publication of work relating to University of Maine Master's research.
- **Antarctic Data Analysis:** Interpretation of ground-penetrating radar data collected on various Antarctic glaciers.

PROGRAMMING SKILLS

- **Languages:** Python, node.js, Matlab, L^AT_EX **Technologies:** AWS, Git, bash, UNIX/Linux, Windows OS