

Ian M. Nesbitt

M.S. student – extensive data analysis, survey ops, and software dev. experience

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EDUCATION

- **University of Maine** Orono, ME
Master of Science in Earth and Climate Science expected, August 2022; GPA: 3.97 Jul. 2017 – present
- **Williams College** Williamstown, MA
Bachelor of Arts in Geosciences, June 2, 2013 Sep. 2009 – Jun. 2013

EXPERIENCE

- **Muddy Water Initiative** Boston, MA
Geospatial Engineering Consultant May 2022 – present
 - **GIS Services Contract:** Services provided include SQL geodatabase management, digitization, mapmaking, and client and stakeholder interaction.
- **University of Maine** Orono, ME
Graduate Student – various positions Jul. 2017 – present
 - **Research Assistant:** Research project on lake sedimentation combining traditional and geophysical methods. Creating sediment volume model and establishing post-glacial geomorphic history for a lake in Maine, USA.
 - **Teaching Assistant – Climate Change, Earth Systems:** Upper-level course TA, responsible for grading, teaching lecture, and assisting in lab setting.
 - **Software Development:** Wrote and documented [readgssi](#), a vis. & processing tool for GSSI georadar devices. Helped develop and document [SeidarT](#), software to model the propagation of waves through various media.
 - **Geophysical Survey Lead:** Designed, conducted, and processed ground penetrating radar survey on NSF field expedition to Allan Hills Blue Ice Area, East Antarctica. Also processed data for a Hudson Mts. expedition.
- **Raspberry Shake, S.A.** Boquete, Chiriqui, Panama
Lead Scientist Sep. 2018 – Aug. 2020
 - **Software Development:** Wrote, documented, and [published rsudp](#), an educational tool used for live visualization and monitoring of data streams from Raspberry Shake devices.
 - **Educational Material Development:** Edited and helped create hands-on [lesson material](#) for both students and teachers at various levels of learning in seismology and technology. Edited marketing copy.
 - **Technical Support:** Provided support to clients, documented bugs, & assisted development team in testing.
- **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 echosounding, sub-bottom seismic, sidescan sonar. Field interpretation & on-the-ground operations decisionmaking including boat handling.
- **St. Michael's College** Colchester, VT
Assistant Nordic Ski Coach Oct. 2013 – Mar. 2014
 - **Athlete Development and Race Support:** Technique instruction, training plans, race day logistics, ski prep.
- **Williams College** Williamstown, MA
Teaching Assistant – courses: 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
- 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.

TECHNICAL SKILLS

- **Languages:** Python, SQL, node, Matlab, \LaTeX **Technologies:** UNIX/Linux, AWS, Git, bash, Windows