Ian M. Nesbitt

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Master's student with extensive data analysis and programming experience

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, LaTeX **Technologies**: AWS, Git, bash, UNIX/Linux, Windows OS