Ian M. Nesbitt

Master's student with data analysis and programming experience

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GitHub : @iannesbitt

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