

ALEXANDER AUDET
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My Mission: To pursue a graduate degree in climate sciences and research the interactions between the SH glaciers, SH Westerlies, and the Southern Ocean in order to quantify their behavior and importance within global climate models.

Education:

- University of Maine – Orono, Maine
 - Bachelors of Science: Earth Science, August 2018 * 3.97 GPA
 - Study Abroad - Bangor Wales, Fall 2016; Ecuador, Summer 2018
 - George H. Stone Award, December 2017
 - Outstanding Senior Award, May 2018
 - Awarded Highest Honors, August 2018
 - Masters of Forestry: May 2019 * 3.94 GPA
 - Master of Science: *Exp May 2021* * 4.00 GPA
- Maine Central Institute & Homeschool – Pittsfield, Maine: May 2014
 - AP Biology class *Excellence Award*
 - Chemistry Olympiad *Semi-Finalist*

Relevant Research & Work experience:

- University of Maine – School of Earth and Climate Sciences – Orono, ME
 - Research Assistant IV – September 2017 – Present
 - Research assistant for geological Honors Thesis.
 - Graphics design for journal publication.
 - Designed and implemented workflow to extract legacy data for geospatial database.
 - Independently developed Arcpy code to read unregistered geospatial maps.
 - Manipulated and organized databases using FME workbench workflows.
 - Georeferenced and warped vector data.
- Field Camp – Ecuador
 - June 2018
 - Focus on volcano geology.
 - Explored monitoring volcanic hazards alongside Ecuadorian classmates.
- Northeast Geophysical Services – Bangor, ME
 - Student Intern – Summer 2017
 - Geophysical surveys fieldwork & data interpretation.
 - Seismic refraction, resistivity, and GPR.
- University of Maine - School of Forest Resources – Orono, Maine
 - Research Assistant - Summer 2015
 - Performed forest navigation, plot measurements, and sample collection.
 - Prepared wood samples for analysis.
 - Data entry for digitization of archive records.

Other Work Experience:

- University of Maine - University Forests – Old Town, ME
 - Student Intern – Summer 2016
 - Forest Inventory, Boundary location and marking, and sawmill operation.
- Plant Essentials – Brewer, Maine
 - Horticultural Assistant - Summer 2014
- Yellowstone YCC (Youth Conservation Corps) - WY
 - Team Worker, Summer 2013
 - Fence building, buck rail building, trail rehabilitation, trail repair, posthole digging, painting, and using a crosscut.
 - Trained in sustainability, leadership, and the Park Service’s mission.
 - Motivation Award Recipient.
- SCA (Student Conservation Association) – Allegheny National Forest, PA
 - National Trail Crew Volunteer, Summer 2012
 - Backcountry basic trail building while camped nearby.

Publications:

- Johnson, S.E., Audet, A.C., Melis, E.A., and Cabello, G.C., 2019. New geological and geochronological data in the Sierra San Pedro Martir region, Peninsular Ranges batholith, Baja California, México. Geological Society of America Bulletin, to be submitted in 2021.

Service & Activities:

- Mapping Club Vice President and Treasurer 2017-Present
 - Organized/led club trips and workshops, and financial management of club activities.
 - Moved club into official recognition status with University of Maine Student Government.
 - Annually collaborate with Maine chapter of the American Chestnut Foundation.
- Tabling at the Feb 24th 2018 Maine Engineers Week Exposition - University of Maine Field House
 - Represented the School of Earth and Climate Sciences.
 - Talked to grade school students about my studies.
- Navigators Member
 - Spring break service trips into East Boston, 2015, 2016, 2017.
 - Worked with children from disadvantaged situations.
 - Prepared and served community meals.
 - Performed demolition work on Transformation Project building.
- Outdoor Adventure Team Captain Fall 2013
 - Led hiking, boating, camping, and leadership workshops with my co-captain.
- Venture Scout Crew 63 Founder 2012-2014
 - Collaboratively organized and coordinated events and trips.

- Role model to Boy Scout Troop 63.

Relevant skills:

- Basic mineral and rock ID
- Basic Dendrology and plant ID
- Compass, pacing, and map navigation
- First Aid/CPR certified (Exp. 04/09/2018)

Computer Skills:

- Proficient in Microsoft Office
 - Word * Excel * PowerPoint
- Basic graphical editing using Gimp
- Basic MATLAB
- Proficient in Arcpy (python)
- Proficient in GIS - MapInfo, ArcGIS, Global Mapper

Interests:

- Cello (University Orchestra)
- Singing (University Choir & Open Mic)
- Climbing
- Skiing (Alpine/Nordic)
- Backpacking
- Sailing/Canoeing