

Lowell R. Moore

PhD Candidate
Department of Geosciences
Virginia Tech

Email: moorelr@vt.edu
Cell: (540) 245-0579
Address: 219 Roundhill Drive
Christiansburg, VA 24073

OBJECTIVE: Find a career solving compelling quantitative problems in a collaborative setting.

EDUCATION

Doctor of Philosophy: Virginia Tech (Geosciences) **2019**
- *The volatile contents of melt inclusions and implications for mantle degassing and ocean island evolution*
Master of Science: Virginia Tech (Geosciences) **2014**
Bachelor of Science: James Madison University (Geology, Math Minor) **2012**

EMPLOYMENT EXPERIENCE

Research Assistant: Virginia Tech **Spring 2016-present**
- Wrote student **research proposals** (*approx. \$2,800 awarded*) and contributed to NSF grant proposals (*approx. \$500,000 awarded*) to fund research projects
- Published results in peer-reviewed research in **academic journals** and at scientific conferences (*3 first author papers; 4 coauthored papers*)
- Presented research findings at **academic conferences** and workshops (*4 invited lectures*)
- **Mentored undergraduate students** in independent research projects (*5 undergraduate mentees*)

Teaching Assistant: Virginia Tech **Fall 2012 - Fall 2015**
- Taught geologic lab and field methods to undergraduate students (*60-90 students per semester*)
- Designed lectures and practical examinations, graded written and practical assignments, set up laboratory demonstrations
- Tutored geoscience students in statistics and differential equations

TECHNICAL EXPERIENCE

- Prepared and conducted **quantitative microanalyses** of geologic samples (*Electron Microscopy, Raman Spectroscopy, Mass Spectrometry*)
- Designed and **prototyped electronic system** for *in-situ* sample heating and cooling (*Extrusion 3D Printing, Circuit Design*)
- Designed and **coded numerical model** for signal processing and data visualization (*R, Python, Excel VBA, HTML/CSS*)
- Designed and **implemented field sampling** strategy for riparian soil study (*Geologic mapping, Field soil characterization, Water sampling and testing*)