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## WORK EXPERIENCE

**GIS Research Assistant** • Oberlin College, Oberlin, Ohio

August 2018 – Present

- Assisted with instruction of GIS course.
- Developed new Python scripts to streamline learning and map creation.
- Designed new GIS coursework for month-long Applied GIS class intensive.
- Re-designed course on data visualization and design.

**Department of Geology Research Assistant** • Oberlin College, Oberlin, Ohio

May 2016 – May 2018

- Conducted research on garnet-quartzites from Catalina Island to investigate metasomatic fluid flow.
- Analyzed garnet-quartzites using Tescan Vega3 Scanning Electron Microscope.
- Generated P-T models using Perple\_X.
- Created and presented poster displaying research at The Geological Society of America Conference, 2017.

**GIS Project** • Oberlin College, Oberlin, Ohio

September 2017 – December 2017

- Conducted spatial analysis on the eruption of Eyjafjallajökull and its effect on phytoplankton bloom, using ArcGIS, Python and RStudio.
- Analyzed the potential for large woody debris in Plum Creek, Oberlin, Ohio, using remote spatial analysis of LiDAR in ArcGIS.

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## RELEVANT SKILLS

- |  |                |                          |
|--|----------------|--------------------------|
| • ESRI ArcGIS                              | • Python 3     | • RStudio                |
| • Adobe Illustrator, Photoshop and Acrobat | • HTML and CSS | • Microsoft Office Suite |

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## HONORS AND PUBLICATIONS

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| <b>Phi Beta Kappa</b>  | 2018 |
| <b>Sigma Xi Associate Member</b>   | 2018 |
| <b>George B. Wharton Prize in Geology</b>  | 2018 |
| <b>GSA Abstract</b>  | 2017 |
| “Metasomatism at the peak of metamorphism: using computational thermodynamic modeling to understand dramatic oxygen isotope zoning in Catalina garnet quartzites.” |      |

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## EDUCATION

**Masters of Science – GIS & Web Map Programming**, University of Wisconsin-Madison Online  
**Bachelor of Arts – Geology**, Oberlin College, GPA 4.01

Expected: 2019  
 2018