




# Ashley Ratigan

SOFTWARE ENGINEER

 ashley.ratigan@gmail.com

 ashratigan.github.io

 ashratigan

 ashley-ratigan

## Languages & Skills

JavaScript	React	jQuery
HTML/CSS	SASS	Bootstrap
Handlebars	Agile	Scrum
D3	Python	PostgreSQL
SQL	Ruby	Rails
Node	Express	Mongodb
Github	Heroku	Git
GIS	GPR	Lidar
Access	Excel	R

## Education

### MA in Heritage Management

2016 – 2018  
University of Kent – Athens, Greece

### BA with Double Major in Geology & Archaeology

2012 - 2016  
Oberlin College - Oberlin, OH

### Semester Abroad

Spring 2015  
University of Canterbury  
Christchurch, New Zealand

## Activities & Awards

Sigma Xi Research Society,  
Honors in Geology,  
John F. Oberlin Merit Scholarship,  
Girl Scout Gold Award  
Oberlin College Club Rugby,  
Rock Climbing  
Oberlin Student Cooperative  
Association,

## Software Engineering and Research Experience

### Software Engineering Specialist

GE Digital

November 2018 - present  
Providence, RI

- Built React front end from scratch for new version of data visualization platform
- Created React components to be consumed by a multiple applications

### Web Development Immersive

General Assembly

May 2018 - August 2018  
Providence, RI

- Completed full-stack, 13-week, 500+ hour, full-time, web development immersive program, intensive training in a variety of modern programming languages and technologies
- Completed five full-stack projects using **JavaScript, React, Node, Rails, and SQL**

### Geology Research

Keck Geology Consortium

May 2015 - May 2016

- Spent summer in remote Alaskan wilderness conducting geology field research,
- Used stable carbon and nitrogen isotope analysis of mudstones and **statistical analysis** to determine past environmental conditions

### Archaeology Research

Oberlin College

September 2015 - May 2016

- Used non-invasive archaeological techniques, including **ground penetrating radar (GPR), light detection and ranging (LiDAR), geographic information system (GIS)**, to determine location of old campus buildings

### GIS Research

Multiple Projects

January 2014 - May 2015

- Investigated effects of precipitation and land use on Vermillion River discharge using **GIS and statistical analysis**
- Quantified and modeled bluff erosion along the coast of Lake Erie in Lorain County using **Python algorithms and GIS**
- Mapped the biological response to the Canterbury Earthquake Sequence at Brooklands Lagoon, using field research, **GIS, and statistical analysis**

## Additional Work Experience

### Administrative Assistant / Site Docent

Touro Synagogue Foundation

May 2017 - November 2018  
Newport, RI

Along with typical duties, managed **database** for fundraising and mailings

### Paleontology Intern

American Museum of Natural History

Summer 2016  
New York, NY

Performed tasks including rehousing fragile specimens, cataloging, and **database management**

### Zip-line Tour Guide

Common Ground

September 2015 - May 2016  
Oberlin, OH

Led group tours through forest canopy up to 80ft off the ground