

# McLean Carpenter

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**Portfolio:** <https://mcarpent87.github.io/portfolio>

Full Stack Developer and technical professional with a passion for web development. Proficient in the MEAN and MERN Stacks. Detail-oriented scientist possessing excellent written and verbal communication skills, exemplary time management skills, and thrives in a team-oriented environment.

**Technical Skills:** React.js, Angular.js, Node.js, Express, JavaScript (ES6), jQuery, Python, React Native, GIT, Github, Heroku, MongoDB, MySQL, PHP, Firebase, HTML, CSS, Materialize, Bootstrap, APIs, JSON, AJAX, UI/UX Design, Project Management, Data Analysis, Statistical Analysis, Technical Writing, Report QA/QC.

## EDUCATION

### **University of Utah, Salt Lake City, Utah**

*Full Stack Web Developer Certificate, February 2019*

Full-Stack Coding Bootcamp with a MERN Stack Focus: MongoDB, Express, React, Node. Also extensive coverage of APIs, HTML5, CSS3, web design frameworks like Bootstrap and Materialize.

### **Brigham Young University, Provo, Utah**

*Master of Science, Geology, April 2014*

### **Brigham Young University, Provo, Utah**

*Bachelor of Science, Geology, April 2012*

## PROFESSIONAL EXPERIENCE

### **AECOM, Salt Lake City, Utah**

*Geologist, September 2014-present*

- Lead field teams and assist with collecting and evaluating geological, hydrogeological, and remediation system data in both field and office settings.
- Write report text, create dynamic figures and data tables that go into technical reports.
- Compile and analyze large data sets using statistical methods to make conclusions about field data.
- Lead verifier for QA/QC on technical reports going out to five different clients.
- Responsible for mentoring of junior staff.

### **Vivint Wireless, Provo, Utah**

*GIS Technician, June 2014-September 2014*

- Worked on a project team that used GIS data to plan wireless networks in neighborhoods.
- Automated tasks utilizing python scripts and ArcGIS model builder.
- Provided QA/QC for deliverables.

**Brigham Young University, Provo, Utah**

*Graduate Research Assistant, April 2012-May 2014*

- Led a research team in processing Antarctic firn core data.
- Created python scripts to automate tasks to process large datasets for thesis work.
- Performed research to discover best methods to analyze data for my thesis work.

**APPLICATIONS BUILT****The GB List**

- Gift registry application that allows a user to manage their personal wish list and to connect to other user's wish lists.
- React.js, MongoDB, Express, Node.js, Materialize, Passport
- <http://greedy-bastages.herokuapp.com/>

**Friend Finder**

- Application that matches user with friends with the highest compatibility.
- Node.js, Express, Javascript, jQuery, Bootstrap
- <https://protected-shelf-15607.herokuapp.com/>

**Golf Helper**

- Golf score keeping app that is meant to simplify a complex game while on the course.
- Handlebars, Express, Node.js, Materialize, Passport
- <https://mighty-citadel-26606.herokuapp.com/>

**See the World!**

- Javascript based game of puzzles and riddles.
- Javascript, jQuery, HTML, CSS, Bootstrap
- [https://mcarpent87.github.io/Team\\_Voldemort](https://mcarpent87.github.io/Team_Voldemort)