

# ZACK STOUT

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*Self-motivated lover of learning with a background in mathematics and philosophy seeking new intellectual challenges in software development.*

## Technical Skills

### Core Stack:

- JavaScript
- Node.js
- Express.js
- ES6
- AngularJS

### Back-End:

- PostgreSQL
- MongoDB
- Python
- C#
- Mongoose.js

### Front-End:

- HTML5
- CSS3
- Bootstrap
- jQuery
- Chart.js

### Games, etc.:

- Matter.js
- Unity
- p5.js
- Git
- APIs

## Education

### **Prime Digital Academy**

*Minneapolis, MN*

Aug. 2017 - Jan. 2018

- Full-Stack Software Engineering Certificate.

### **University of California, Berkeley**

*Berkeley, CA*

Jun. 2015 - May 2016

- Completed one year pursuing a PhD in Philosophy and a ten-week summer program in Attic Greek.

### **Reed College**

*Portland, OR*

Sept. 2012 - Jan. 2015

- Bachelor of Arts, Mathematics.
- Bachelor of Arts, Philosophy.

### **Deep Springs College**

*Deep Springs, CA*

Jun. 2010 - Jul. 2012

- Two-year college structured around the pillars of academics, labor, and self-governance.

## Experience

### **Prime Digital Academy**

*Full-Stack Software Development Student*

Aug. 2017 - Jan. 2018

#### • **Solo Project: World Weaver**

- ▶ Created an application that lets users craft puzzles (in the form of game levels) for others to solve.
- ▶ Users can build game levels including a cannon, a bucket, rectangular or circular obstacles, and a pair of portals. Users can save their levels, edit obstacles, and play levels created by other users.
- ▶ Built with: PostgreSQL, Express.js, Node.js, AngularJS, Matter.js, Angular Material.

- **Group Project: Footprint**

- ▶ Worked with a team to build an app that allows humanitarian organizations the ability to upload (via CSV) and calculate their carbon footprint.
- ▶ Users can track their footprint over time and visualize it in a wide variety of ways.
- ▶ Built with: PostgreSQL, Express.js, Node.js, AngularJS, Chart.js, Angular Material.

**Reed College**

Sept. 2013 - Jan. 2015

*Mathematics Tutor*

- Helped students to understand the core concepts and techniques of calculus and analysis.

**Reed College**

Jan. 2014 - May 2015

*Philosophy Grader*

- Provided feedback on students' objection/reply essays for an environmental ethics course.

**Deep Springs College**

Jul. 2010 - Jun. 2012

*Student Body Member*

- President of the Student Body (March to June 2012)
  - ▶ Moderated our weekly meetings and acted as a liaison between the staff and the student body.
- Member of the Applications Committee
  - ▶ Helped to craft our application for students and to interview and select applicants for admission.
- Worked on multiple teams in a variety of roles (dishwashing, cow-milking, field-irrigation) through the labor program.