



# Sean Mitchell Goodrich

## Software Engineer

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### EXPERIENCE

*Nov 2016 – Current  
Seattle, WA*

#### **Amazon Web Services Software Development Engineer I**

- Develop software for QuickSight, a new AWS product for managing, visualizing and interacting with large amounts of data
- Work on Enterprise and Data Excellence features such as the addition of Radiant data connector and operational auditing

*Oct 2015 – Oct 2016  
Manhattan Beach, CA*

#### **ClickTripz, LLC Junior Software Engineer**

- Write backend code on server for one of the top 5000 most trafficked sites in the world
- Manage deep link team
- Develop internal tools including agile task generator for front and back end teams
- Refactor company's click handler builder, modifying over 5000 lines of code

*Jul 2014 - Aug 2014  
Culver City, CA*

#### **Woven Digital Paid Intern – Ad Technology Assistant**

- Create internal content management system for digital publishing company

### RECENT PROJECTS

*July 2017 - Present*

#### **Cryptocurrency Bot**

- Develop python script to compare cryptocurrency prices across exchanges and arbitrage profitable opportunities
- Integrate design patterns to improve maintainability and extensibility

*Apr 2016 - Present*

#### **Illusion Generator**

- Program python script to create 3d printable objects in Maya out of 2d images
- Utilize perspective and linear algebra to generate image morphing optical illusion as user moves around object

*Mar 2015 - Apr 2015*

#### **DrumCircle**

- Design music-making application in Unity
- Implement virtual reality and natural hand gestures to improve conceptual model over current digital audio workstations

### EDUCATION

#### **University of Michigan College of Engineering,**

B.S.E. Computer Science  
Graduation: April 2015

### RELEVANT COURSEWORK

- Data Structures and Algorithms
- Introduction to Databases
- User Interface Development
- Mobile App Dev for Entrepreneurs
- Computer Game Design
- Computer Vision

### COMPUTER SKILLS

#### **Front End Languages and Libraries:**

HTML5, CSS, JavaScript, jQuery, React, AJAX, JSON, WebGL, three.js, Qt

#### **Back End Languages:**

C, C++, C#, Java, MySQL, PHP, Python

#### **Tools:**

Git, Matlab, WordPress, Jira, Pivotal Tracker, Unity, Oculus Rift, Vuforia, Thalmic Myo, Arduino, Microsoft Office, Adobe Creative Suite, SimaPro

#### **Topics:**

Web Development, VR/AR, 3D Graphics, Object-Oriented Programming, Design Patterns, Technical Communications, Agile Development

### INVOLVEMENT

#### **Hacker Fund (Sep 2015 – Present)**

- Mentor hackathons
- Lead Unity, web dev and first time programming workshops for K-12 students
- Coordinate events with organizations such as Girl Scouts of LA, Skurt, and Bixel Exchange while LA chapter president

#### **Divest and Invest (Sep 2012 – Aug 2013)**

- Cofound grass roots coalition of students, faculty, and alumni at UMICH dedicated to divestment of fossil fuel financial assets