



Sean Mitchell Goodrich

Software Engineer



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smgood



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EXPERIENCE

Nov 2016 – Current
Manhattan Beach, CA

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

Oct 2015 – Oct 2016
Manhattan Beach, CA

ClickTripz, LLC Junior Software Engineer

- Write backend code on a server that is one of the top 5000 most trafficked sites in the world
- Manage deep link team
- Develop internal tools including agile project generator for front and back end teams
- Complete major refactor of 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 primary content management system (CMS) for digital publishing company
- Assist in designing and developing custom takeover webpages

RECENT PROJECTS

Apr 2016 - Present
Los Angeles, CA

Illusion Generator Software Engineer

- 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
Ann Arbor, MI

DrumCircle Unity Developer

- Develop music-making application that implements virtual reality and natural hand gestures to improve conceptual model over current digital audio workstations
- Design UX for user to pick up and place instruments in the scene onto beats

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

Programming Languages:

C/C++, C#, HTML5, CSS, JavaScript, jQuery, JSON, WebGL, three.js, PHP, AJAX, MySQL, Matlab, Python, Qt

Tools:

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

Other:

Web Development, VR/AR, 3D Graphics, Object-Oriented Programming, 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, staff and alumni at UMICH dedicated to divestment of fossil fuel financial assets