Sean Mitchell Goodrich
Software Engineer

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EXPERIENCE

Oct 2015 – Present
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

May 2013 - Jun 2013
La Mirada, CA

HSA & Associates
Paid Intern – Structural Engineer
- Review shop drawings and perform calculations to verify structural plans comply with appropriate codes and policies

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
Los Angeles, CA

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:
Github, 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, Sustainable Design, Graphic Design

INVOLVEMENT

Hacker Fund (Sep 2015 – Present)
Chapter President | Los Angeles
Lead Unity, web and first time programming workshops for K-12 students. Mentor college hackathons. Coordinate events with partner organizations. Grow the mentor community.

Divest and Invest (Sep 2012 – Aug 2013)
Cofounder and Board Member
Launch grass roots coalition of students, faculty, staff and alumni at UMICH dedicated to divestment of fossil fuel financial assets