



Sean Mitchell Goodrich

Software Engineer



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smgood



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EXPERIENCE

Nov 2016 – Current
Seattle, WA

Amazon Web Services (AWS) Software Development Engineer I

- Design & implement new features for QuickSight, a new business intelligence (BI) product at AWS
- Contribute to enterprise & data excellence projects including AWS IoT Analytics data connector, operational auditing via CloudTrail, & email notifications

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
- Refactor click handler builder, modifying over 5000 lines of code
- Develop internal tools including agile task generator for front & back end teams

Jul 2014 - Aug 2014
Culver City, CA

Woven Digital Paid Intern

- Create internal content management system for digital publishing company

RECENT PROJECTS

Mar 2018- Present
bit.ly/2H7EwzL

Cubism.js

- Publish JS library for creating full-screen, 3D scrolling websites, composed of cubes

Jan 2018 - Jun 2018

Cryptocurrency Bot

- Run AWS Lambda function to compare cryptocurrency prices across exchanges & text profitable arbitrage opportunities

Apr 2016 - Aug 2017
bit.ly/2EWLem3

Illusion Generator

- Program python script to create 3D objects in Maya out of 2D vector images
- Utilize perspective & linear algebra to generate image morphing optical illusions

Mar 2015 - Apr 2015
bit.ly/2J6jcHn

DrumCircle

- Design a music-making application in Unity that implements VR & natural hand gestures to drag and drop sick beats

EDUCATION

University of Michigan College of Engineering,

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

RELEVANT COURSEWORK

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

COMPUTER SKILLS

Front End Languages & Libraries:

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

Back End Languages:

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

Tools:

Git, AWS, Matlab, Unity3D, Jira, Pivotal Tracker, Oculus Rift, Vuforia, Thalmic Myo, Arduino, WordPress, Autodesk Maya, Adobe Creative Suite, Microsoft Office

Topics:

Web Development, 3D Graphics, XR, OOP, Design Patterns, Technical Communications, Scrum, Kanban

INVOLVEMENT

Hacker Fund (Sep 2015 – Present)

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

Divest and Invest (Sep 2012 – Aug 2013)

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