Max Strater

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■ Technical Skills

Javascript (ES6), Node.js, Webpack, Mocha/Chai, CSS3, Python, Agile Development, AngularJS, three.js, Perforce, Git, Java, C++

■ Experience

Autodesk

Software Engineer (January 2014 - Present)
Contractor (November 2012 - January 2014)
Intern (Summer 2011, Summer 2010)

Innersource Tracing Library

Tracing is the process of tagging and following operations as they flow through a distributed system

- In early 2018 I started creating an innersourced tracing library based on OpenTracing
- Accomplishments:
    - Worked to define architecture and structure for the library
    - Wrote most of the core code
    - Designed an automated test suite and integrated it with our Jenkins pipeline
    - Refactored the library to be consumable from Node.js or a browser using Webpack

Fusion 360

Fusion 360 is a 3D parametric CAD, CAM, and simulation product

- In February 2016 I started working on Fusion 360
- Accomplishments:
    - Helped to upgrade the UI system to Qt5
    - Developed in a chromium embedded framework based UI component
    - Worked on improving offline caching, unified logging, synthetic monitoring, and the thundering herd problem
    - Mentored a college summer intern

Configurator 360 Web Client

◉ After being hired as a full time employee, I integrated into the Agile development process for the Configurator 360 web app
◉ Assisted in converting the existing Silverlight client to HTML5
◉ Accomplishments:
    ◉ Prototyped a new UI based on AngularJS that became a major component of our app
    ◉ Used three.js to create a model positioning and rotation tool
    ◉ Worked server side with ASP.NET MVC 5

Configurator 360 Ipad Client

Configurator 360 is a design configurator for the parametric CAD software Inventor

◉ I was tasked with creating an iPad client for Configurator 360
◉ As the lead developer, I followed the project from conception through publishing on the Apple app store and maintenance
◉ Accomplishments:
    ◉ Using a SOAP web service to exchange data with our cloud server
    ◉ Writing an STL file parser to load 3D models into the app
    ◉ Acting as developer, QA, and even designer for a single project
    ◉ Navigating the idiosyncrasies of iOS development and the Apple ecosystem

◼ Education

Pomona College - Claremont, CA
Bachelor of Arts 2012
Major: Mathematics
Minor: Computer Science
Thesis Title: Universal Computation in Elementary Cellular Automata

Hack Reactor corporate training at Autodesk
Javascript boot camp
Worked with: Node.js, Express, React, SqLite, Mocha, Chai, etc.

Moving Up to Modern C++
Corporate training at Autodesk "An Introduction to Modern C++ for C++ Programmers."
Offered by BDSoft