Max Strater

6555 SW 19th Ave Portland, OR 97239
(503) 841-1149
max.strater@gmail.com
www.maxstrater.com

Technical Skills

Javascript (ES6), CSS3, AngularJS, three.js, Agile Development, Perforce, Git, Java, C++

Experience

Autodesk

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

Configurator 360 Ipad Client

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

- As a contractor, 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

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

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

Became a member of a special team tasked with improving the resiliency of cloud workflows

Worked on improving offline caching, unified logging, synthetic monitoring, and the thundering herd problem

Mentored a college summer intern

◼ 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