Justin White

E-MAIL Jstuff73@gmail.com • **CELL** (573) 673 –5926
1207 Lane St • San Francisco, California • 94124

Portfolio here
www.github.com/Jstuff36
www.linkedin.com/in/justinewhite/

Portfolio

OpenDoors (Rails, React/Redux, PostgreSQL) | Live URL• GitHub
A community based traveler hosting app, inspired by Couchsurfing

- Utilizes Google's Maps and Geolocation APIs to display available hostings
- Implemented backend validations insure legitimacy of bookings
- Image uploads are stored in the cloud via AWS S3 and Paperclip, thus reducing serve load time

PourOverJS (MongoDB, Express.js, React.js, Node.js) | Live URL• GitHub
A browser based JavaScript profiler and code editor developed using Scrum methodology (Agile framework)

- Gives users the ability to step through their JS code while visualizing program execution order
- Uses the JS library Esprima to create an abstract syntax tree allowing for dynamic injection of code
- Determines code metrics such as variable scopes and the function chain

IPO Defender (JavaScript, HTML5, CSS3) | Live URL • GitHub
A remake, for use in the browser, of the classic arcade game

- Manipulates the DOM using vanilla JavaScript for better efficiency
- Uses vector calculus to create intelligent AI, such as the ability to anticipate and 'dodge' bullets

Skills

Ruby	JavaScript	React.js	Redux	Python	HTML
Rails	Node.js	SQL	MongoDB	CSS	Express.js

Experience

CRB: Kansas City, MO **05/2015 – 08/2016**
Process Utility Engineer Intern

- Created Python application to filter data using fuzzy logic and the Bing API for 10 person marketing team which identified potential business clients
- Completed calculations to size pips and pumps to be used in the final designs of pharmaceutical bioreactors for clients

Lawrence Livermore National Laboratory: Livermore, CA **05/2015 – 08/2015**
High Energy Density Physics Intern

- Conducted and investigated fluid dynamics simulations in the realm of fusion power to model turbulent mixing at the interface of two fluids
- Wrote Python scripts that performed post processing of large datasets and created initial conditions of computational simulations
- Published a paper in the field of turbulence and Rayleigh Taylor instabilities

Education

App Academy: San Francisco, CA **05/2017 – 08/2017**

- 1000-hour full-stack web development course with a <3% acceptance rate

University of Missouri-Columbia: Columbia, MO **08/2013 – 05/2017**

- BS in Mechanical Engineering with 3.97 GPA
- Awarded most outstanding Junior out of 200 classmates

Colegio Eagle Hill School: Cucuta, Colombia **08/2012 – 07/2013**

- Studied for one year with all classes taught in Spanish