

Recent Projects

Full Stack Engineer-Snapshots

[live](#) - [github](#)

Easy drag-and-drop web portfolio. Single-page React app consuming RESTful JSON Rails API.

- Engineered a row based photo layout which maintains aspect ratios and creates novelty by dynamically building a different layout on each load
- Built a React/Flux Component which wraps Cloundiary's photo upload widget to ensure a better user experience when uploading photos

Full Stack Engineer-PassTheConch

[live](#) - [github](#)

Joint storytelling game. Single-page React/Redux app utilizing Node.js and web sockets

- Implemented web sockets through Socket.io to allow real time gameplay with other users
- Designed a custom validation system for socket requests based on redux actions

Full Stack Engineer-WhereShouldIParkMyBike

[live](#)

Help San Franciscan bicyclists choose safer places to lock their bicycle

- Utilizes public data from the city of San Francisco and an algorithm to find the safest bicycle racks close to the bicyclist's destination. Created with Ruby on Rails, vanilla JavaScript, and Google Maps

Frontend Engineer-Interactive Sprial

[live](#) - [github](#)

Interactive Spiral built with HTML5 Canvas and JavaScript

- Devised algorithm that exponentially reduces the speed of objects as they approach their final position
- Developed a dynamic function that changes the spiral's rate of collapse in response to mouse scroll

Skills

Ruby, Ruby on Rails, JavaScript, jQuery, Websockets, React, Redux/Flux, SQL, Git, HTML, CSS, Postgres, NPM, Webpack, RESTful APIs, Single-Page Apps

Education

BS Industrial Design, Barrett, the Honors College at Arizona State University

August 2011 - May 2015

- Design Thinking, User Experience, User Interaction, Design Research
- Summa Cum Laude with Honors, 3.83 GPA, Dean's List, ASU President's Scholarship

Experience

Part Time Jobs

*Valet, All About Parking - Front Desk Associate, Stanford University Recreation
Palo Alto, California --- December 2015 - March 2016*

- Taught myself Ruby, HTML and CSS while working part-time jobs

Industrial Design Intern, Achilles Design

Mechelen, Belgium --- May 2014 - August 2014

- Solo designer of a wall inlet for a central vacuum cleaner. From start to final prototype in one month
- Created a 39-page market analysis of bikes which helped influence a new product's direction