

## TECHNICAL SKILLS

- JavaScript (ES6+)
- HTML 5
- CSS 3
- Ruby
- React
- Angular
- MongoDB
- Git
- Express
- Node.js
- webkit
- Bootstrap
- Firebase
- Expo
- React Native
- Wordpress
- Soldering
- Digital Prototyping
- Physical Prototyping

## APPLICATIONS

### Rezoomay <https://github.com/nicholaspowel/rezoomay-client>

An app for collecting and organizing resume information

- Utilized MongoDB, Express.js, React, and Node to allow users to create and save clips of information for later use in their resumes.

### What The Duck!? <https://github.com/nicholaspowel/frontend-duck>

A duck themed survey app where users can create and respond to surveys and view the results in real time

- Utilized jQuery, Handlebars, and Sass to create a dynamic user interface.
- Used Mongo, Express, and Socket.io to build a flexible and extendible backend API that would provide real time survey response updates.

### OurCity <http://github.com/DrogonDrogon/our-city>

A mobile civic engagement app to give users a voice in improving their cities

- Utilized a Firebase database to enable seamless integration of multiple user authorization methods including Facebook and email
- Created a results filter to allow users to see only the items that are most relevant to their concerns

### Codenames <https://github.com/nicholaspowel/codenames>

A digital implementation of the popular Code Names game

- Created a single page app using React to create a functional and flexible user interface
- Implemented random word generator using the WordNix API to maximize replay value

### Halfwaze <https://github.com/nicholaspowel/organutangs>

A single page app that generates multiple possible meeting places around the midway location between two users

- Generated meetup suggestions using the Yelp API to provide information in a format familiar to users
- Suggested a midpoint meetup location along a navigable path by parsing Google Maps data

## WORK EXPERIENCE

2019

### General Assembly, *Software Engineering Immersive*

Boston, MA

- 500+ hr full-time immersive with a focus on Full-stack app development using Agile methodology and Scrum principles
- Completed projects in 4 day sprints using Ruby, JavaScript, Html and CSS

2018-2019

### Fall River Public Schools, *Electronics and Engineering Substitute Teacher*

Fall River, MA

- Taught Introduction to Electronics and Freshman Engineering Discovery

2017

### Hack Reactor, *Advanced Software Engineering Immersive*

New York, NY

- 800+ hr program with a focus on Fullstack JavaScript app development. Pair Programming, SCRUM, TDD, and Agile methodologies were required. Tech included React, Angular, Mongo, MySQL, JQuery, ES6, Node, and Express

2013-2017

### Powel Design, *Web Design & Development*

Dartmouth, MA  
Park City, UT  
Paris, France  
Albany, NY

- Web design, development, marketing and content management. Clients included *metcalfeeting.org* (seminar for orthopedic surgeons), *a-zoneenvironmental.com* (environmental remediation company), *digiblock.com* (math based toys and teaching aids), *helpnest.org* (recovery coaching), and *arborpellet.com* (wood pellet manufacturer)
- Skills used: HTML, Javascript, PHP, CSS, Wordpress, FTP, sFTP, Google Analytics, Google AdWords, Adobe Photoshop, GIMP,

## EDUCATION

### The Cooper Union for the Advancement of Science and Art

New York, NY

*B.E. Interdisciplinary Engineering , May 2013*

## HONORS/AWARDS

2<sup>nd</sup> Place, MATE 2010 Northeast Regional Competition: Team Co-Captain RADAV, Underwater Remotely Operated Vehicle; Competed at 2010 MATE International Competition in Honolulu, Hawaii.

Full Tuition Merit Scholarship: Cooper Union for the Advancement of Science and Art

## COURSEWORK

Differential Equations, Programmable Control Systems, Fluid Power Systems, Fluid Mechanics, Digital Logic Design, Autonomous Mobile Robots, Thermodynamics, Heat Transfer, Engineering Experimentation, Fundamentals of Manual Machining, Biotransport Phenomena, Sports Medicine, Biomechanics, Biology for Engineers II, Foundations of Bioengineering, Business Economics.

## OTHER

PSIA Alpine Level II Certified Ski Instructor, Sustainable Architecture and Urban Design, Kayaking, Jewelry Making, Ballroom Dancing, Climbing