

# ANDREW MINUCOS

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## SKILLS

React, Redux, Ruby, Rails, Javascript, Node.js, HTML, CSS, SQL, MongoDB

## PROJECTS

**Straya** (Rails, ReactJS, AWS S3, Google maps)

[live](#) | [github](#)

*This project allows users to track their workouts and create running/cycling routes through google mapping integration*

- Designed a custom cycling/running route creator in ReactJS integrating Google Maps' Javascript API and Direction API
- Built secure User Auth strategy using token-based authentication and BCrypt password hashing
- Leveraged AWS S3 for storing users' image uploads, imposing a file size limit and file compression to reduce latency and storage cost

**Asteroids** (Javascript, Canvas)

[live](#) | [github](#)

*Fun browser game based on the classic Asteroids, written entirely in vanilla JS*

- Built a custom game engine using JavaScript that manages the movement mechanics of the ship, asteroids, and bullets, creating a fun and satisfying gameplay experience for the player
- Engineered layers of gaming complexity e.g. splitting asteroids that rely on Object Oriented Programming techniques and conditional logic
- Crafted intuitive controls allowing for easy pick up and play by the end user

**Baby Tracker** (MongoDB, Express.js, ReactJS, Node.js)

[live](#) | [github](#)

*Simple mobile-first web application for parents to track their child's feeding, changing, and sleep schedule*

- Implemented User Auth by encrypting user details via the JSON Webtoken library to be sent over HTTP using Axios and decrypted via the JWT-Decode library on the frontend
- Wrote model level validations for various models, using both the Validator.js library and also my own custom validations for array and date objects
- Designed a simple mobile-first UI, with a heavy focus on crafting an application that an end user would be able to use with minimal touches/clicks

## EXPERIENCE

**Software Engineer & Senior Instructor**

*App Academy*

Mar 2019 - Present

- Member of Progress Tracker engineering team, an internal tool that tracks students throughout their time at App Academy
- Built and pushed new backend (Rails, SQL) and frontend (React) features with complete unit test coverage
- Mentored hundreds of engineers through the process of learning the modern web stack, taking them from CS fundamentals and basic control flow up through common architectural patterns including MVC, ORM, AJAX, CRUD, and REST
- Lectured to cohorts of up to 90 people on topics including React, Redux, middleware, and Test Driven Development

**HTML Developer**

*Reliance Communications*

Jan 2018 - Jan 2019

- Developed and managed ongoing and one-off email marketing campaigns using HTML, CSS, and Javascript
- Facilitated regular meetings with multiple department heads to create new campaigns and develop improvement initiatives

**Enterprise Account Manager**

*Centurylink*

May 2018 - Jan 2019

- Managed data networks and resources for enterprise clients with the goal to provide the best customer experience

**Enterprise Account Manager**

*Spectrum*

August 2016 - April 2018

- Managed a portfolio of over 300 Enterprise level clients' IT network and technology needs

## EDUCATION

**Web Development** - App Academy | 2018-2019