

## SKILLS

**PROGRAMMING LANGUAGES:** Javascript, HTML, CSS, SASS, Python, SQL

**TECHNOLOGIES:** Redux, Jest, React Testing Library, Node.js, Express, Express, Super Test, SQL, Knex, SQLite3, PostgreSQL, MongoDB, OAuth2/Okta, JWT, Docker, Flask, Unicorn

## RELEVANT EXPERIENCE

Lilius, Inc · Software Engineer · July 2020 to Present

SAAS platform in the field of Data Analytics

React | Recoil | D3

- Collaborate on 4 person team, including CEO, to develop Lilius's Business Portal.
- Develop complex platform, utilizing break edge technology, such as React Recoil for State Management and D3 for Data Visualization.
- Analyze and review code to ensure efficient, well written, and reusable code.

## EDUCATION

Lambda School · Jan. 2020 to Sept. 2020

Full Stack Web Development & Computer Science

Lambda School is a 9+ month accelerated program with an immersive (full-time, 40+ hours/week) hands-on curriculum with a focus on computer science, software engineering, and web development.

Frederick Community College · Sept. 2012 to May 2013

Business Administration

## PROJECTS

TeamReel

Apr. 2020 to June 2020

An application designed to make user's more comfortable with receiving feedback on interviews.

Javascript | React | Redux | Node.js | Express | PostgreSQL | Knex | Okta/OAuth2 | Ant Design | FFMPEG | AWS

- Collaborated with a team of Data Scientists and iOS developers to build a fully functional, web and mobile application, utilizing video analysis in two months.
- Solely responsible for implementing Okta for authentication, building out the infrastructure for front end authentication and backend token validation using Okta API's and OAuth2.
- Solely responsible for implementing front end graphic visualization of feedback, provided by both users and machine learning, using ChartsJS and AntDesign.
- Collaborated with Data Science to build a pipeline utilizing FFMPEG, S3, SQS, and SMS to efficiently handle video upload, formatting, and analysis.

Sort Visualizer

Sept. 2020 to Sept. 2020

Designed to help visualize the classic sorting algorithms.

Javascript | React

- Developed in less than a week facing numerous technical obstacles and unforeseen issues.
- Implemented complex state manage to allow for visual representation of classic sorting algorithms.
- Utilized React and Javascript to construct intricate DOM manipulations for visual effects.

Sleep Tracker

Apr. 2020 to Apr. 2020

Application designed to help users track their sleep patterns and find optimal time spent sleeping

Javascript | React | Material-UI | Charts.js | Node.js | Express | PostgreSQL | Knex | Heroku

- React/Redux used for front end and state management.
- Recharts used to visualize user's sleep records for specified dates
- Postgres for RDBMS, knex for query builder, backend deployed to Heroku.

## OTHER EXPERIENCE

NSX Wash Systems · Independent Contractor · Columbia, MD

2013 to 2014

- Helped plan and erect commercial wash systems for clients such as DC Metro and Enterprise Rental.
- Carefully followed electrical diagrams and building blueprints to safely install high voltage systems.