



## Projects

### Sole Developer

React Redux File Generator | [Live](#) | [GitHub](#)

A npm JavaScript module that generates frontend file templates for react/redux

- Over 7500 downloads on npmjs.com since January, 2017.
- Utilized JavaScript file system to generate file templates to speed up project creation and eliminate common import/export errors.

### Full-Stack Developer

Tempo | [Live](#) | [GitHub](#)

A single page music streaming web application built with Rails, React, and Redux

- Utilized React Sound and designed a custom interface to implement a music player that continuously plays while the user browses the site.
- Created music search and rendered the result in real time, while minimizing the number of database queries.

### Full-Stack Developer

Eezee | [Live](#) | [GitHub](#)

A React-Native mobile app that uses public API to query movies in streaming.

- Learned React Native in one week and built a cross platform mobile application.
- Utilized Guidebox API to query over 300 video streaming services via a single API call.
- Incorporated Firebase backend authentication with React Native & Redux frontend.

## Skills

Ruby On Rails

SQL

HTML5

ReactJS / Redux

JavaScript

Git

CSS3

React Native

## Education

University of Pittsburgh

B.S. in Chemical Engineering, GPA: 3.8

Aug 2008 – Apr 2012

Pittsburgh, PA

## Experience

### JumpStart TA

Feb 2017 – Present

App Academy

San Francisco, CA

- Taught Ruby to prospective students by providing one-on-one support and introducing programming concepts in lectures of 20+ students.

### Lead Wireline Field Engineer

June 2012 – Feb 2015

Schlumberger, Halliburton, & C&J Energy Services

PA, TX, LA

- Was the lead engineer on site and managed 5 to 15 people, including third party companies, and generated over \$10 million in revenue.

### Business Development Intern

May 2011 – Aug 2011

Elliott Group

Jeannette, PA

- Created Excel Visual Basic program to scrape Elliott Group's and its competitors' sales data to determine the optimal projects to bid on and adjust pricing.
- Automated net present value (NPV) calculations using Visual Basic to determine future profitability of every research project and to prioritize those projects based on their NPV value.

### Research Assistant

May 2010 – July 2010

RWTH Aachen University

Aachen, Germany

- Optimized MatLab program to analyze data from hundreds of hours of experiment data to calculate oxygen/carbon dioxide transfer rate in bioreactors.