Clayton Marshall

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Education

Purdue University   West Lafayette, IN
Major: Computer Science   August 2015 – Present
Minor: Mathematics   Cumulative GPA: 3.62/4.0
Exp. Graduation   May 2019

Projects   *All project source code available on Github*

rust-redux
Contributed to open source Rust library that provides scalable application state management. Improved tool usability, documentation, and added functionality to mimic the popular JavaScript Redux library.

Circle Smasher
Android/iOS game built with React Native. This game takes on characteristics similar to many arcade games. Features unlockable items that let users personalize on-screen game play. Available on the Google Play store.

Reservoir Planning Tool
Web based tool for calculating the predicted performance results of various reservoir sizes given any location across the Midwest. Worked with a team of three other developers to deliver this application to the Transforming Drainage Project.

React Stepper
Contributed to open source React stepper component used for organizing content in single page web applications. Added additional styling options and customization capabilities requested by existing users of the component.

Work Experience   *References available upon request*

Salesforce Marketing Cloud   Indianapolis, IN
Software Engineering Intern   May 2018 – August 2018
- Develop and maintain features for Salesforce Marketing Cloud email sending UI using Backbone, jQuery, and NodeJS.
- Implemented automated UI testing with Nightwatch and MochaJS.
- Practiced Scrum Agile development methodologies.

Trabian Technology   Indianapolis, IN
Software Engineering Intern   May 2017 – April 2018
- Build web, iOS, and Android apps for financial institutions using React/React Native and supporting libraries (Redux, Redux-Saga, Ramda).
- Continued automated UI testing efforts using CypressJS testing framework
- Collaborate with a small team of developers to bring design mock-ups to full scale applications and present the final product to clients.

Delphi Automotive   West Lafayette, IN
Verification Engineering Intern   January 2016 – May 2016
- Develop, test, and document software tools built for in-house use by Delphi.
- Expanded on a documentation and file management system using Java and JavaScript

Technical Skills

JavaScript, Clojure, React, React Native, Rust, C/C++, NodeJS, Redux, Express, HTML, CSS, Git