Maximilian Hempfling

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maxih

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EXPERIENCE

Sentrian, San Diego, CA — *QA Engineer / C# Developer*

SEPTEMBER 2015 - OCTOBER 2016

- Refined and expanded Java and Selenium based Automated Testing framework, automating nearly 90% of all test cases.
- Reduced manual End-To-End testing time 30% with development of automated testing tools.
- Developed data visualizations and import tools in C#.

Zephyr Sports, Ventura, CA — *Web Developer*

JULY 2014 - AUGUST 2015

- Reduced end-of-day report generation from hours to minutes by developing custom C# tools to process shipment data.

PROJECTS

Frugal Sheets — *(React, Redux, JavaScript, SQL, Rails, Ruby)*

Full stack spreadsheet app inspired by Google Sheets

- Created React/Redux spreadsheet component to allow user interaction with sheet data.
- Implemented custom parsing within spreadsheet by recursively evaluating formulas for analysis within data sets.
- Designed framework for spreadsheet visualization as user-friendly charts for an enhanced user experience.

Tower Defense — *(JavaScript, EaselJs, HTML5)*

JavaScript and HTML5 Tower Defense game

- Implemented Breadth First Search pathfinding.
- Calculated relative vectors using game piece positions.
- Optimized movement to take the shortest route.

ezDOM — *(JavaScript)*

JavaScript and HTML5 Tower Defense game

- Used XHR to manage and simplify AJAX requests.
- Developed framework for finding, creating or altering HTML elements.

SKILLS

- Ruby
- Rails
- React
- JavaScript
- C#
- SQL
- HTML5
- CSS3
- Selenium
- Java
- Git
- jQuery
- RSpec
- Flux
- Redux

EDUCATION

App Academy

OCT 2016 - JAN 2017

1000-hour full-stack programming bootcamp with <3% acceptance rates.

Santa Barbara City College

Computer Science

AUG 2012 - JUL 2013

Data Structures, C Programming,
Left in good standing to pursue web development.