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Experience

Charles River Development, A State Street Company

Software Engineer II

July 2019 – Present

- Implementing next-generation Angular web applications utilizing gRPC backend web services
- Integrating MSCI with Charles River IMS, allowing clients to utilize MSCI portfolio and risk analytics
- Implementing core enhancements by learning the underlying business concepts of financial risk

Software Engineer I

July 2017 – July 2019

- Integrated components of the Axioma Portfolio Optimizer into the Charles River IMS
- Collaborated with third party vendors to solidify functionality of the Northfield Portfolio Optimizer and tested for software validation and verification
- Developed and maintained the first suite of in-depth, automated UI tests

Software Engineer Intern

June 2016 – Aug 2016

- Contributed to UI changes that would be released in the final product
- Implemented and maintained the first suite of automated UI tests to ensure functionality of the client

MarketMuse

Software Engineer Intern

May 2016 – Aug 2015

- Rewrote the web scraping middleware
- Enhanced the quality of parsed website data used for content analytics and content creation
- Improved the content that clients were receiving for their content marketing

Education

University of Massachusetts Amherst

Computer Science

Sept 2013 – May 2017

- GPA: 3.692
- Dean's List Honors

Projects

diffr

- A web application that takes in two strings and visualizes the diff between the two. Kotlin, JavaScript, HTML, CSS, React

kdifff

- A simple diff library based on the dynamic programming solution for the Longest Common Subsequence. Kotlin

Raspberry Pi Monitor

- A web application that displays and monitors system information of a Raspberry Pi. Bash commands are executed at intervals to gather system data. Go, Bash, JavaScript, HTML, CSS, React

Clipt

- A cross platform clipboard manager that makes it easy for users to access and maintain their clipboard offline. JavaScript, HTML, CSS, Electron, AngularJS, SQLite

Skills

Languages

- Java, Kotlin, JavaScript, HTML, CSS, SCSS, C#, SQL

Frameworks/Technologies

- Node.js, React, Angular, Electron, gRPC, IntelliJ, Visual Studio, SQL Server, Git, Perforce