MICHAEL RABBAI

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EXPERIENCE

Software Developer - Front-End Jan 2022 – Dec 2023
Solace
- Designed and developed a custom user wizard with JavaScript, Aurelia, HTML, and SCSS that integrated and synchronized Kafka Kerberos security standards between hardware elements
- Architected and implemented a feature using JavaScript and Aurelia that integrated AWS S3's cloud storage into the existing system's workflow to fulfill a customer request
- Advocated and aided in the migration plan from Aurelia to React to increase the performance of the UI, facilitate proper UX, and update the codebase and technologies to industry standards
- Mentored interns by performing a technical review of the system, feature explanations, and providing technical insight such as writing scalable code and help developing solutions critical to the success of implementing high-quality features
- Followed the agile software development process to continuously release high-quality features in a timely manner

Software Developer Intern - Front-End May 2020 – Dec 2020
Ciena
- Implemented features for a scalable web application using TypeScript, Ember, HTML, SCSS, and Handlebars to display and monitor network information in a clear and concise manner
- Developed a custom analytics API that tracked and displayed hardware data using JavaScript, Ember, HTML, SCSS, and Handlebars
- Added accessibility features to a web application using JavaScript and Handlebars to improve the UX of displaying statistical data to users and meet accessibility web standards
- Utilized the Chai and Mocha JavaScript libraries to follow test-driven-development (TDD) by adding unit, integration, and acceptance tests to ensure expected behaviour of features

Software Developer Intern - Back-End Jan 2020 – Apr 2020
Ciena
- Developed a REST API using Python to monitor and display statistical network information
- Enhanced Python processing algorithms and technologies that improved data processing speed by 70%
- Improved quality of features by upgrading the Python automated testing suite and updating Postman collections

Software Developer Intern - Front-End May 2019 – Aug 2019
Communications Research Centre Canada
- Designed and implemented an API in Python to modify network simulation files, yielding an increase in processing throughput by 120%
- Developed an API in Python to automate the creation of network simulation scenario files that increased creation results by approximately 300%

TECHNICAL SKILLS

Libraries/Frameworks: React, React Native, Angular, Aurelia
Languages: JavaScript, TypeScript, HTML, CSS, SCSS, Python, Java, SQL
Technologies: macOS, Unix, Windows, Firebase, MongoDB, AWS, Microsoft Azure, Git, GitHub, Postman, Figma

EDUCATION

Carleton University Ottawa, ON
*Bachelor of Computer Science Honours **CGPA: 4.0/4.0*** *Sept 2017 – Dec 2021*
- Dean's List, A.D. Dunton Scholarship (2018-2021)

PROJECTS

[Loan Logger - Honours Project](#) Sept 2021 – Dec 2021
- Designed and developed an iOS application using React Native, JavaScript, and Firebase to allow users to add, delete, and edit contacts and transactions
- Utilized the Redux library to seamlessly access and manage authentication, contacts, and transactions states throughout the application
- Implemented authentication and security using Firebase to allow users to create an account, login, and sign out

Ensemble - cuHacking Feb 2019
- Designed and developed a web application using React, JavaScript, HTML, CSS, and the Spotify API to create playlists based on songs and playlists that users enter