# Michael Rabbai

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## Experience

**Software Developer – Front-End**                     January 2022 – December 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
▷ Mentored interns by performing a technical review of the system, feature explanations, and providing technical insight critical to the success of implementing high-quality features
▷ 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
▷ Followed the agile software development process to continuously release high-quality features in a timely manner

**Software Developer Intern – Front-End**                     May 2020 – December 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**                     January 2020 – April 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 by 70%
▷ Improved quality of features by enhancing the Python automated testing suite and Postman collections

**Software Developer Intern – Back-End**                     May 2019 – August 2019
*Communications Research Centre Canada*

▷ Designed and implemented an API in Python to modify network simulation files, yielding processing results of more than 100%
▷ Developed an API in Python to automate the creation of network simulation scenario files that increased production results by more than 100%

## Technical skills

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

## Education

**Carleton University**, Ottawa, ON                     September 2017 – December 2021
*Honours Bachelor of Computer Science*

▷ CGPA 4.0/4.0
▷ Dean's List, A.D. Dunton Scholarship (2018-2021)

## Projects

**Loan Logger - Honours Project**                     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**                     2019

▷ Designed and developed a web application using React, JavaScript, HTML, CSS, and the Spotify API to create playlists based off of songs and playlists that users enter