JULIA CHEN

Computer Science Student

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SKILLS

Languages:
Java, C, C++, JavaScript, TypeScript, HTML, CSS

Frameworks/Libraries:
React, Angular, Spring, Node.js, Express, RxJs, JQuery, Bootstrap

Tools:
Docker, Git, Github, Maven, MySQL, MongoDB, PCF, Postman

EDUCATION

University of Waterloo
Candidate for Bachelor of Computer Science
2020 - 2025
96% Cumulative GPA

AWARDS/DISTINCTIONS

CFM 1A Case Competition:
2nd place - Portal Proposal

Faculty of Mathematics Senate Scholarship:
Awarded to 2 students for academic success

CFM Outstanding Academic Achievement Award:
Awarded to select students for academic success

CERTIFICATIONS

Google Digital Garage: The Fundamentals of Digital Marketing

EXPERIENCE

Royal Bank of Canada **Jan 2022 - Apr 2022**
Software Developer

- Built an event logging app with Spring Boot to transform, map, and surrogate security API data fields by consuming and producing to Kafka topics
- Implemented 15+ features and fixes such as client validation for an identity broker client management app with Angular, Typescript, and Node.js
- Utilized reactive programming with RxJS to implement periodical health checks via integration with Pivotal Cloud Foundry for a service health monitoring app, monitoring 50+ apps across 6+ development spaces

Toyota Canada Inc. **May 2021 - Aug 2021**
Software Applications Developer

- Implemented enrollment features for vehicle registration used by 286 dealerships with Java Spring, MSSQL, and Maven in an Agile SDLC environment
- Led a proof of concept to containerize web applications with Docker and to migrate them from IBM Websphere Liberty to Apache Tomcat, facilitating a migration of legacy applications from on-premises servers to AWS
- Trained a drone to use object detection to autonomously read labels/barcodes in the Toyota warehouse using Python, TensorFlow, and OpenCV

PROJECTS

Taskeeper **Aug 2021**

- Built a web app for personal task management with an interactive calendar UI
- Created a REST API with CRUD operations using Node, Express, and MongoDB
- Designed front-end with React using Passport.js for user authentication

Watchr **Aug 2021**

- Created a desktop app that schedules screen recordings for live events
- Implemented front-end with React and Electron to allow recording files to be saved in a local directory

RNJogger **Aug 2020**

- Android mobile app that generates a random route based on inputted distance
- Mapped and designed user interface including social system and a leaderboard
- Developed with React Native using Android Studio AVDs and NativeBase library

Africaid **Aug 2020**

- Created a Google Chrome extension/website pair that displays 32 randomized advertisement images on the new tab page
- Built with HTML, CSS, JavaScript, Bootstrap, and JQuery
- Stored and retrieved image links with Google Firebase (Cloud Firestore)