

## EDUCATION

Windsor, ON University of Windsor Sep 2019 – Apr 2023

- **Major:** Computer Science with Software Engineering Specialization, BSHCS (**Major average: 92%**)
- Graduated with Great Distinction
- **Relevant Courses:** Database Management Systems, Computer Networks, Data Structures/Algorithms, OS Fundamentals, Big Data Analytics

## EMPLOYMENT

Software Engineer RIIS LLC May 2024 – Present

Android/web development for drone-integrated applications

- Developed a UTM web app for visualizing vehicle traffic in real time and plotting infrastructure, routes, and geofences
- Built a video streaming and clipping application for detecting gas leaks from a drone-mounted sensor
- Resolved communication issues between an admin portal and mobile devices via bluetooth connectivity
- Trained 3D object detection models on traffic datasets to detect potential collisions at intersections
- Leveraged knowledge in Kotlin, Python, Android Studio, GCP, Ffmpeg, YOLO, MVVM design pattern

Software and Support Developer CMS by Ever.Ag Sep 2022 – May 2024

Full-stack web development/support on logistics and warehouse booking applications

- Designed and built a warehouse delivery booking system with FullCalendarJS
- Integrated booking system with a logistics scheduling system to automate the booking process
- Investigated and resolved bugs efficiently and proactively
- Conducted thorough and constructive code reviews to uphold performant and maintainable code standards
- Leveraged knowledge in JavaScript, Servoy, PostgreSQL, MVC design pattern

Software Developer Intern CMS by Ever.Ag May – Aug 2022

Full-stack web development on a logistics scheduling system

- Designed and built a logistics calendaring system with FullCalendarJS to significantly ease the scheduling process
- Created a CI/CD pipeline to automate building and deploying to production
- Initiated documentation efforts via confluence, reducing resolution time of common issues by 90%
- Leveraged knowledge in JavaScript, Servoy, PostgreSQL, MVC design pattern, Jenkins

## SOFTWARE PROJECTS

### UTable – Timetable Creator

- Led the frontend effort for a University timetable creator
- Implemented app-level state management with React to avoid prop-drilling
- Utilized client-side routing to reduce latency by 25% and enable history in an SPA
- Facilitated efficient course searching using Fuse.js with near-instant response time
- Utilized: React, React Context, React Router, FullCalendar, and Fuse.js

### Microblog – DevOps/QA

- Established a CI/CD pipeline with Jenkins to automatically build, dockerize, test, and deploy a web application to an AWS EC2
- Performed unit testing with JUnit and behavioral testing with Behave to reduce production bugs found by 35%
- Executed load and stress testing with Locust to ensure average response time and concurrent user requirements are met
- Acquired knowledge in automated UI testing with Selenium
- Utilized: Docker, AWS, Jenkins, Python, JUnit, Behave, Locust, Selenium

## LANGUAGES AND TECHNOLOGIES

- **Proficient:** React, JS, C, Java, Kotlin, Python, Android Studio, SQL (PostgreSQL), Docker, HTML/CSS
- **Familiar:** AWS, NodeJS, C++, Jenkins, PHP