

EDUCATION

Windsor, ON	University of Windsor	Sep 2019 – Apr 2023
<ul style="list-style-type: none">• 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		
<ul style="list-style-type: none">• 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• <u>Leveraged knowledge</u> 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		
<ul style="list-style-type: none">• 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• <u>Leveraged knowledge</u> 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		
<ul style="list-style-type: none">• 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%• <u>Leveraged knowledge</u> 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