

MOHAMAD RADAIDEH

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EDUCATION

Carleton University

Honours B.CS in Computer Science | **GPA: 4.0**

Ottawa, ON

- May 2026

Relevant Courses: Data Structures and Algorithms (Java), Intro to Software Engineering (C++), Systems Programming, Database Management Systems, Web Application Development, Data Science

WORK EXPERIENCE

Kinaxis

Software Developer - Algorithms

Ottawa, ON

January 2024 - Present

- Developed cutting-edge Data Server features utilizing a proprietary query language, resulting in substantial enhancements to relational database efficiency and elevating user experience.
- Engineered new automated testing frameworks in C# and NUnit, enhancing software adaptability and performance, and increasing product flexibility across departments.
- Modernized Kinaxis's C++ core supply chain algorithms with optimization mathematics, improving efficiency by 30% and adeptly addressing ambiguous challenges through abstract thinking.
- Developed robust test suites in Google Test for feature enhancements and defect resolutions, significantly elevating software quality and system stability.
- Facilitated Agile Scrum team collaboration through active participation in stand-ups and knowledge sharing, utilizing Git and Atlassian tools to streamline project delivery.

Virgin Plus

Technical Support Assistant

Ottawa, ON

August 2023 - January 2024

- Addressed mobile, internet, and TV service problems, significantly enhancing customer satisfaction.
- Collaborated with network engineers to troubleshoot complex 5G connectivity issues, contributing to enhanced network reliability and performance.
- Acquired proficiency in specialized diagnostic software, streamlining troubleshooting processes and reducing service resolution time by 20%.

uPrep Academy

Program Developer

Remote

May 2023 - Aug 2023

- Developed a Python-based 'Intro to Programming' course tailored for high school students, delivering content to 1000+ beginners.
- Uploaded essential course materials like lecture notes, assignments, and class schedules onto Moodle for easy access and organization.

PROJECTS

University Scheduling Tool | Java, MySQL, JavaFX

- Implemented an interactive scheduling tool for university courses, allowing students and administrators to manage semester-based time tables.
- Utilized Java and MySQL to manage user data and course information, enhancing system reliability and user satisfaction.

Ottawa Weather Chatroom | JavaScript, HTML/CSS, Node.js, Express.js

- Designed and implemented a weather-focused chatroom web application for Ottawa, leveraging Node.js and Express.js for robust backend functionality.
- Integrated OpenWeatherMap API via REST API with the backend server, facilitating real-time sharing and discussions of weather conditions, thereby enhancing community engagement.

Automated Tim Hortons Order | Python, Selenium, GoogleMapsAPI, AWS

- Crafted an automation AWS server for handling Tim Hortons orders which places an order on the user's behalf if near a desired location.
- Leveraged Python alongside the Selenium Library to automate coffee ordering processes, dynamically adjusting to the user's live mobile location through integration with the Google Maps API.

TECHNICAL SKILLS

Programming Languages: Java, C/C++, JavaScript, Python, C#, SQL, R

Technologies: HTML/CSS, JSON, Node.js, MongoDB, SQLite, Linux, Git, Excel