

Tarik Beldjehem

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EDUCATION

- Bachelor of Software Engineering, Carleton University, Ottawa, ON** 09/2020 – Present
• 4th Year Undergraduate
• Expected Graduation Date: December 2025 Ottawa, ON

SKILLS

Languages

- Python, Java, C/C++, Go, SQL, Linux Bash
- HTML/CSS, JavaScript, PHP

Tools

- Git, GitHub/GitLab, Jira, Jenkins
- Docker, Azure, AWS, Google Cloud

EXPERIENCE

- Software Developer (Co-op), Ross Video** 05/2024 – 08/2024
• Added features to video cards by updating C++ and Go firmware code
• Utilized Docker to build consistent software program loads
• Serialized metrics into JSON for API requests and tested them using Postman
• Deserialized information into data structures for a routing application
- Test Automation Developer (Co-op), Ross Video** 09/2023 – 12/2023
• Wrote scripts in Python for testing embedded video routing hardware
• Created new modules in an Automation Framework for better test coverage
• Worked in an Agile and CI/CD workflow while using Git, Jira and Jenkins
• Regularly navigated a Linux environment during development
- R&D Trainee in Advanced Telecom Systems (Co-op), CRC - ISED Canada** 01/2023 – 08/2023
• Gained Secret security clearance while on a Data Science government project
• Wrote SQL Queries to parse a database with Amazon Athena
• Improved the accuracy of datasets using the Python Pandas module
• Produced code in the cloud using AWS WorkSpaces and EC2 instances

PROJECTS

Fitness Tracking Android App

- Created an Android application that tracks and encourages exercising
- Programmed the backend logic in Java to handle user input
- Set up an intuitive UI using XML pages as the frontend

CU InSpace Rocket Engineering Design Team

- Contributed code to the Avionics team that launched a rocket for a competition
- Wrote data to a microcontroller board using the pySerial Python library