

# Tarik Beldjehem

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## EDUCATION

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**Bachelor of Software Engineering**, Carleton University, Ottawa, ON 09/2020 – Present  
Ottawa, ON

- 4th Year Undergraduate
- Expected Graduation Date: December 2025

## SKILLS

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### 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

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**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

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### 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