

# MICHAEL BOSCIGLIO

[linkedin.com/in/michaelbosciglio](https://www.linkedin.com/in/michaelbosciglio) | [michael.bosciglio245@gmail.com](mailto:michael.bosciglio245@gmail.com) | [github.com/MichaelBosciglio](https://github.com/MichaelBosciglio)

## Education

### University of Ottawa

Ottawa, ON

*Bachelor of Applied Science Software Engineering (CO-OP)*

2019 - 2023

- **Notable Courses:** Design and Analysis of Algorithms I, Intro to Artificial Intelligence, Software Requirements Analysis, Software Design and Architecture, Advanced Programming Concepts With C++, Databases I, Software QA, Introduction to Computing I & II, Technical Report Writing

## Work Experience

### Canada Border Services Agency

Ottawa, ON

*Software & Database Developer*

May 2023 - August 2023

- Led the revamp of the System for Export Examinations used by Canada's Border Officers aimed at optimizing the user's workflows through a Java, Swing and SQL based application
- Contributed to improving the performance of the Observational Border Database and TicketMaker applications through runtime analysis in Python and usability through Java, Swing, and SQL
- Conducted stakeholder meetings with Border Officers to obtain user requirements and receive feedback on implemented features in multiple CBSA applications

### Canada Revenue Agency

Ottawa, ON

*Jr Programmer*

May 2022 - August 2022

- Reviewed and updated program specifications when implementing legislative changes in an ISPF mainframe IBM z/OS & DB2 development environment using COBOL, JCL and CICS
- Engaged in multiple phases of a taxation project's development cycle using Jira to collaborate with analysts and developers based upon requirements given by the Government of Canada

### Immigration, Refugees and Citizenship Canada

Ottawa, ON

*Jr Programmer Analyst*

Sept 2021 - Dec 2021

- Updated an online web application based on project requirements that create Excel reports of online transactions conducted through the IRCC website using Java, Spring, JasperReports and Excel
- Performed manual and automated testing of project code using JUnit in Eclipse tracked with Github

### Innovation, Science and Economic Development Canada

Ottawa, ON

*Telecom Technical Officer*

Jan 2021 - April 2021

- Reviewed official project documentation for industry leading telecommunication corporations across Canada based on the Universal Broadband Fund project specifications
- Analyzed project changes and claims to ensure that companies meet project standard and deadlines

## Projects

- **Mouse Accessibility Attachment (Capstone Project)** React, Python, TypeScript, MongoDB, Cypress
- **TrackBite (Diabetic Meal Tracking)** Java, Android Studio, Firebase
- **Personal Portfolio** HTML, Tailwind CSS, NextJS
- **Morgan Stanley 2022 Hackathon** React, Tailwind CSS, Vite

## Technical Skills

- **Languages:** Java, SQL, Python, C++, HTML, CSS, JavaScript, PHP, COBOL, JCL
- **Developer Tools:** React, Cypress, CircleCi, Express.js, TypeScript, Tailwind CSS, SSMS, Swing, GitHub, Jira, Postman, NextJS, Firebase, Selenium, ISPF Mainframe, CICS, Bitbucket, Spring, JasperReports, Android Studio