

William Jarvis-Cross

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[LinkedIn](#) | [Personal Website](#) | [Github](#)

Professional Summary

Quality-focused professional with expertise in testing, debugging, and coding across multiple languages. Proficient in Python and React, with strong problem-solving abilities. Specializing in cloud computing.

Experience

FULL STACK SOFTWARE ENGINEERING INTERN | SUPER.COM 05/2022 to 04/2024

- Contributed an enhanced refund option to users, allowing for complete hotel refunds.
- Completely reworked our SMS messaging system, saving the company thousands per month.
- Used JavaScript React, Node.js, Python, AWS, Twilio, and many other resources.

SOFTWARE ENGINEERING LEAD | UNICEF MAPBOX PLUGIN 09/2023 to 12/2023

- Project completed for UNICEF to build a plugin for Apache Superset which provides an interactive world map with population data that is updated dynamically with a real-time statistic database.
- Team lead for the project and was the connection between the team and UNICEF

SOFTWARE ENGINEERING INTERN | GEOPOGO 04/2021 to 08/2021

- Leveraged Unity and C# to create 3D traversable models of cities available for users in augmented reality.

Education and Certifications

HONOURS BACHELOR OF SCIENCE WITH HIGH DISTINCTION: COMPUTER SCIENCE 04/2024

UNIVERSITY OF TORONTO

- Astrophysics and Mathematics minor GPA: 3.73

AWS Certifications

- AWS Certified Cloud Practitioner In Progress - AWS Certified Solutions Architect

Projects

POKEMON PROJECT

- Completed a very detailed Pokémon project in Java, including 6 different cities that the user could walk through and explore, and randomly spawning Pokémon that the user could catch to add to their team or defeat to level up their Pokémon.

MeetSphere

- MeetSphere is a web application designed to organize and set up 1-on-1 meetings with colleagues. It features a personalized calendar where users can add their availability, making it visible to others for easier scheduling. The application leverages REST APIs to manage meeting data, ensuring seamless communication between the client and server.

NoteGenius – In Progress

- Developing NoteGenius, a web app for students to upload and manage class notes. Integrating AWS Amplify, Cognito, and S3 for secure authentication and deployment. Using AI with RAG and vector databases to generate practice tests and answer questions based on user content.

Skills

- Front-end/Back-end development
- Web development
- AWS Cloud
- Node
- JavaScript/TypeScript
- React
- Java
- SQL
- UI/UX Design
- Git