

Christopher Ojo

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

Education

Ivey HBA and BESC. Software Engineering - University of Western Ontario

September 2020 – April 2025

- **Awards & Academics:** 3.9 Cumulative GPA, Dean's Honour List

Experience

Software Engineer Intern - Opal

May 2021 – October 2021

- Created and prototyped a system to store, send, and receive XRP currency and NFTs across multiple digital wallets and write their information to the ripple ledger using **Python**, **JSON**, and the **xrpl-py** library.
- Incorporated dynamic **Anima** and **Figma** framework designs into engaging web pages using **React** and **Node.js**.
- Implemented multiple scalable databases into the Opal website to store user and NFT data using **Django** and **MongoDB**.
- Engineered an application to break down a user's secret recovery passphrase into its private key, public key, and public address, enabling users to integrate their personal digital wallets into Opal's platform using **Python** and **JavaScript**.

Video Editor, Camp Leader - Immanuel Summer Ministries

June 2020 – August 2020

- Directed, edited, and marketed 20+ unique educational daily videos for a church of over 200 members to keep online camp engaging during the pandemic using **Photoshop** and **VideoPad Video Editor**.
- Coordinated 30+ lessons and activities for staff and kids to partake in virtually with delivered homework using **Microsoft Office**.

Projects & Leadership

Vaerion - Data Analytics Company

- Co-founded and developed a day-trading cryptocurrency bot for distribution that averages 13% profit annually in back-testing results by capitalizing on momentum investing and 4 other strategies using **Python**, **TA-Lib math models**, and **NumPy**.
- Programmed a tool to read and store data from the Bybit website then write it to an excel file using the **Bybit API**.
- Designed and created a command-line user interface enabling users to read bot data and greatly simplify the process to access, analyze, and calibrate the bot's settings to their preferred strategies using a **multithreaded CLI** and **Pandas**.
- Implemented a Discord Bot to send trading signals to designated channels in Discord servers using **discord.py** and **repl.it**.

MCAT Study Game - Solarbyte

[Website](#) / [Github](#)

- Constructed an educational visual novel with over 80 unique questions prompting the user to learn, practice and remember key concepts necessary for passing the MCAT built with a question order randomizer to provide replayability using **Ren'Py**.

Split - TO Hacks

[Devpost](#) / [Github](#)

- Designed, prototyped, and implemented interactive mock-ups for the appearance and flow of the Split App in **Figma**.
- Developed a responsive notification system for emails and mobile phones in tandem with a normalized user database to notify users of adjustments in their group's prices, plans and activities using **Courier REST API**, **mySQL**, and **Java**.

You First - Hack the North

[Devpost](#) / [Github](#)

- Produced a mobile application in 36 hours to aid users in de-stressing by playing relaxing music, speed dialing close contacts, sending inspiring quotes through notifications, and displaying trending memes using **Java**, **Firebase**, and **Android Studio**.

Speed Stocks - YuHacks

[Devpost](#) / [Github](#)

- Created a fast-paced stock simulation trading game built with pseudo-random stock prices and trends, articulate transactions, and a banking system for users to buy/sell virtual stocks and make in-game currency using **JavaScript**, **HTML**, and **CSS**.

RuneScape 2.0 - SE 2250 Software Construction Project

[Github](#)

- Launched a dynamic 3D adventure game built upon core principles of the iterative software development life cycle including unit testing, continuous integration, collective code ownership, and test driven development using **Unity**, **C#**, **Git** and **Github**.

Social Activist - Engineers Without Borders

[Website](#) / [Github](#)

- Hosted a meeting with my local Member of Parliament to increase the spending budget of investments towards Sub-Saharan Africa by \$1.5 million through organizing, researching, and presenting articulate arguments with **Microsoft PowerPoint**.
- Deployed a website to aid students in determining which political party their views align with most using **React** and **Firebase**.

Chess Club President - Earl Haig

- Administered various tournaments and weekly workshops on chess strategies to a cohort of 30 dedicated members.

Passions

- **Interests:** Investing, Chess, Basketball, Journaling, Reading/Audiobooks, Digital Design, Blockchains, Metaverse.