Aidan James

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ABOUT ME

I graduated from Northern Collegiate High school in Sarnia with honors and a french diploma. Currently, I am a fourth-year student at Western University, majoring in Computer Science. I helped found a Poker Club at Western with over 220 members and currently am VP of Communications managing 5 other executives. I am experienced with a variety of languages such as: Visual Basic, C, C++, HTML, CSS, JavaScript, Java, Python, VBA, PHP, SQL, Swift, and ARM. To assist with developing more complex projects, I also have experience with frameworks such as ReactJS, NodeJS, and QT. I am also competent with the interworking of computers on the hardware side and am able to assemble desktop PC's.

EDUCATION

Northern Collegiate, Sarnia   September 2016 - June, 2021

Awards: Academic Gold Award (85%+ avg), Honor Society (90%+ avg), Black Athletics Award

University of Western Ontario, London   September 2021 - April 2025

BSc, Computer Science

EXPERIENCE

Metro, Sarnia — *Grocery Clerk*   July 2020 - August 2021

- Helping customers, stocking shelves, receiving pallets, managing inventory, returns, and expired products using company software.
- Making displays, incorporating them to the floor and organize floor display layout

Lambton Scientific, Sarnia — *Lab Technician / Full-Stack Developer*   May 2022 - August 2024

- Handled environmental samples and completed a variety of chemical testing on them. Obtained data from sampling software and recorded data using excel
- Created and developed the company website, manage the company's Google search appearance.
- Refining and creating new excel sheets to record and calculate chemical formulas to be used internally by staff and given to clients as reports.

PROJECTS - **More Info**

Multiplayer Snake Game – Python, Pygame, TCP, Sockets

- The game's logic was computed server side, allowing for multiple players to be playing simultaneously. Game states were sent using TCP to clients who parsed, displayed and handled user inputs. The game also featured a chat for players to communicate while playing the game.

Autocorrect Application – Java, JavaFX, Git, Confluence

- This application received a user binary file in the input box and scanned it for mistakes. When found, users were able to manually type or use suggestions to correct words. The UI was made with JavaFX. Since this was a group project we used Git, confluence and other tools to collaborate.

Intra-Thread & Process Communication – C, OS functions

- Both projects were different ways to communicate, for processes I used the pipe function and for threads I used a pointer to a shared variable. Both were for my Operating Systems class.

Golf Tracker App - Swift, Figma, MapKit

- The app's purpose is to track golf rounds so users can keep track of their scores. I used a python script to scrape for course data and used Swift to design UI and create the functionality and storage for users. The app can save user data, and using Apple MapKit, users can view and save courses they have played.

ADDITIONAL SKILLS

Tech Stack: Java, Python, C, C++, Unity, HTML/CSS, Javascript, Typescript, PHP, SQL, VBA, ARM, Visual Basic, Swift.

Tools / Frameworks: Jira, Confluence, Git, Github, ReactJS, NodeJS, Figma, Photoshop.

Interests: Machine learning / AI, Game Development, Stocks / Finance, Fitness, Golf, Football, Poker.