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#### **Education**

**University of Windsor** Windsor, ON Canada

BACHELOR'S DEGREE IN COMPUTER SCIENCE AS A SOFTWARE ENGINEERING SPECIALIST WITH A MINOR IN MATHEMATICS.

Sept. 2018 - April 2022

- Recipient of the Deans Renewable Entrance scholarship given to graduating students who show strong academic performance.
- Recipient of the SHSM scholarship for receiving the ICT-SHSM seal on my OSSD after meeting the requirements from the Ministry of Education.

### Independent Projects \_\_\_\_\_

**Discord Bot Host** July 2020

JAVA WEB-SOCKET APPLICATION WHERE THE USER UPLOADS THEIR OWN DISCORD BOT AND HOST IT ON A DEDICATED MACHINE.

- · Client application implements JAVA Swing for an intuitive GUI.
- **Server** application uses **multi-threading** to allow for multiple bots to be hosted at once.
- Server application will host the bot automatically once it is received by the client application.

**Spotify App April 2020** 

JAVA APPLICATION THAT MODIFIES USERS SPOTIFY PLAYLISTS AND QUEUE.

- Implements the Spotify Web Client API for JAVA to give the user a quick and easy way to add songs to their queue.
- Input is prompted by an instinctive terminal interface for a quick and simple user experience.
- Utilizes an automated authentication process for quick access to the the main functionality of the program.

Code Grader Mar. 2020

A JAVA SERVER CLIENT APPLICATION USED TO GRADE C PROGRAMS.

A JAVA application where a Windows client sends a C program to a Linux server to be ran against test cases to generate a submission report.

#### **Bipartite Graph Generator and Detector**

Nov. 2021

C PROGRAMS THAT CAN GENERATE AND DETERMINE IF A **GRAPH** IS **BIPARTITE** EFFICIENTLY.

• These programs apply Graph Theoretic Principles and a DFS to scan for/avoid odd cycles to satisfy the odd cycle property of bipartite graphs.

#### Skills\_

Operating Systems: Linux, Windows

**Programming:** JAVA, C++, Python, C, Scheme, Racket, LaTeX, Bash, FLEX, CUP

Website Development: HTML, CSS, JavaScript, PHP, SQL, REST API

## Work Experience \_

OSL RETAIL SERVICES

**PARTICIPANT** 

**Teaching Assistant** Windsor, ON CANADA

SCHOOL OF COMPUTER SCIENCE, UNIVERSITY OF WINDSOR

Aug. 2019 - April 2022

Responsible for communicating the abstract steps of problem solving in an intuitive manner to students and grading coursework accurately.

**Sales Associate** Amherstburg, ON CANADA

• Top Wireless Sales Associate for Western Ontario in 2021.

Aug. 2020 - Present

Sept 2020

Jan 2020

- Responsible for diagnosing and correcting issues with mobile software and hardware, this includes troubleshooting network connection issues, configuring UI settings and ensuring complete data transfer between devices for clients.

# Competitions and Conferences \_\_\_\_\_

WinHacks Windsor, ON Canada

- · Created the Smile Finder Web App that detects when the user is smiling using the ImageAl Python API.
- Smile Finder implements the **Flask** framework for **Python** to host the **Web App**.
- Smile Finder utilizes the OpenCV Python API for computer vision and displays the live video feed on a web-page.

**Delta Hacks VI** Hamilton, ON Canada

PARTICIPANT

Gained experience with REST API's and mobile development while learning the fundamentals of Dart and Flutter programming.