

SAMMY DODS

Software Engineer

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EXPERIENCE

Student Lab Support Technician

Rockport Networks

📅 May 2021– August 2021 📍 Ottawa, Canada

- Pioneered company PDU monitoring by creating a web app using the Django framework.
- Scripted tools improving the efficiency of lab services including a DNS config-file cleaner to sort sections by IP using Python and automated deleting of DNS leases with Bash.

Camp Counsellor | Sports Day Camp

Lightway Church

📅 Summer 2017/2019 📍 Hamilton, Canada

- Led, planned and organized drills/games for kids aged 5-12, developed fundamental skills.
- Created a memorable and lasting impact by providing a fun experience for underprivileged children.

Team Member

KFC

📅 November 2018 - October 2019 📍 Hamilton, Canada

- Ensured customer satisfaction as a cashier and swiftly packed food in fast paced team environment.

PROJECTS

Bitcoin Trading Bot

- Utilized a Python wrapper for the Coinbase Pro Rest API to automatically trade bitcoin, leveraging market info for profit.

Food Finder Web App

- Enabled food drives to share food availability by inputting data into a google form which is then stored in Google Sheets.
- Fetched data from Google Drive API and used Flask to dynamically generate HTML info-table using Jinja templates

Castle Defense Game

- Used C# and Unity to create game with resource management, building, upgrades and economy systems using inheritance, abstraction and polymorphism.

Lightcube

- Simulated randomly generated rainfall along with other light patterns on an Arduino LED soldered Lightcube with Arduino C.

LANGUAGES

Python C++ C C# Haskell
HTML CSS JavaScript Bash

TECHNOLOGIES

SQLite Django Flask Git Linux
Jinja LaTeX

EDUCATION

Honours Computer Science B.Sc.

McMaster University

📅 2020 – 2024

- 3.7 GPA
- Google Student Developer Clubs Solutions Incubator 2021

High School Diploma

Westmount Secondary

📅 2016-2020

- 94.5% average in grade 12
- SHSM in Information and Communications Technology

VOLUNTEERING

Director of Student Affairs

McMaster Computer Science Society

Planned student events, surveys and maintained Society Discord server.

ACCOMPLISHMENTS

🏆 **Top 3 Canada**
Cyberpatriot XII Gold Semis 2020

🏆 **Regionals**
ECCO programming contest 2019

🏆 **Top 3 coding**
HWDSB Skills competition 2019

HACKATHONS

Waterloo EngHack 2021

McMaster Deltahacks 2021

Oackhacks 2020