Yassine Moumine

⊗ Light Mode

✉ ymoumine@outlook.com   🔗 ymoumine.com   in ymoumine   ○ ymoumine

Summary

Eager Computer Engineering student specializing in computer architecture and software engineering, with hands-on experience in hardware, software, and networking technologies.

Education

BASc University of Ottawa, Computer Engineering (CO-OP)

Ottawa, ON
Sept. 2019 to Dec. 2024

- GPA: C+ (Transcript ⬈)
- **Relevant Coursework:** Computer Architecture II, Digital Systems II, Computer Systems Design, Data Communications and Networking, Real-Time Systems Design, Operating Systems, Advanced Programming Concepts With **C++**.

Experience

Canada Revenue Agency, Software Engineer

Ottawa, ON
Sept. 2023 to Apr. 2024
8 months

- Selected as one of 2 international students for the 8-month DevLabs training program, aimed at learning new technologies, such as **Machine Learning, Docker, DevOps**, etc.
- Maintained an InnerSource project using **Angular** (**TypeScripat**), **Express** (**JavaScript**) & **OpenShift**, additionally securing PSM I and Azure AI-900 certifications.

RenterII, Software Developer

Winnipeg, MB
May 2023 to Aug. 2023
4 months

- Developed a web admin portal for managing a mobile app with 1000+ downloads, serving +100 communities, by streamlining operational efficiency.

University of Ottawa, Software Engineer

Ottawa, ON
Jan. 2023 to Apr. 2023
4 months

- Led the frontend development of the Coop Mobile app, achieving +1000 downloads, by enhancing **UI/UX design** to simplify the job application process.
- Spearheaded the IndEX web app's deployment, revamping 80% of the site and achieving a 50% increase in user engagement.
- Directed a 3-person QA team and managed interviews for 5 prospective candidates.

University of Ottawa, Full Stack Web Developer

Ottawa, ON
Sept. 2021 to Dec. 2022
1 year 4 months

- Worked closely with clients and student developers in all stages of the software development lifecycle to develop a student services **PHP** web application
- Provisioned development and QA servers and gained knowledge of **Bash** (**shell** scripting), Vagrant, GitLab CI, infrastructure, and virtualization

Projects

Alarm System | ○ **| C, STM 32, FreeRTOS**

- Developed an alarm system integrating a PIR motion detector, a buzzer and a Keypad, using STM32 on a Nucleo F44RE board, leveraging FreeRTOS for task management.

Traffic Light Controller | ○ **| RTL, VHDL, FSM, Altera FPGA**

- Developed a VHDL traffic light controller on Altera DE2 using structural architecture and RTL design, including command line handling, debugging messages, and BCD decoders.

CAPSTONE — KittyCoder | ○ **| Rasberry Pi, ESP32, C, HTTP, Angular, Express**

- Created an educational interactive web app for children, enabling them to use block code to instruct a robot in drawing shapes.

Machine Learning Experiments | 🔗 **| Python (Numpy, Pandas, scikit-learn, etc.)**

- Conducted various supervised and unsupervised learning experiments, achieving +90% accuracy, by processing data, optimizing models and using Azure's AutoML tool.

Tractor Simulation | 🔗 **| C++, Arduino, SolidWorks, prototyping**

- Collaborated in a cross-functional team to create an interactive tractor simulation with Arduino and C++, incorporating 3D design, soldering, and laser cutting.

Additional Experience And Awards

uOttaHack 6 | 🔗 | Developed an EV dashboard for map navigation using Android Studio, Jetpack Compose & Kotlin.

SCRUM Master | 🔗 | Secured PSM1 certification & led the software development for my 6-member Capstone project.

Microsoft Azure AI-900: Securing certification demonstrating fundamental AI concepts related to the development of software and services of Microsoft Azure to create AI solutions.

Top 8 finalists, the 2023e of the Entrepreneurship Concepts Competition | 🔗 | top 8 finalist among +100 applicants earning the opportunity to present my TA/RA matchmaking project before renowned tech industry judges.

Deferential Scholarship recipient: for taking french classes.

International Student Scholarship awardee: Admission Average of 91.75%.

Skills: C/C++, VHDL, Python, Java, FreeRTOS, Unix/Linux, JavaScript, SQL, etc.

References available upon request.