


Nima Mehrjoonezhad

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WORK EXPERIENCE

Relogix Inc

May 2022-Aug 2022

Software Engineering Intern

Remote

- Implemented improvements to the front-end of the website using **Angular**, **TypeScript**, **HTML**, and **CSS**, including adding new features and improving user experience.
- Implemented and tested **API functions** in **microservices** using **Azure Functions**, **ASP.NET** framework and **C#**, to connect the web to the **database** and enable communication between services, resulting in improved **scalability** and system **reliability**.
- Implemented various **features** to the site, including allowing users to deactivate/update a building, resulting in a reduction of **8 person-hours** of work per week.
- Reduced **latency by 25%** by removing deprecated **API calls**, **debugging** and **optimizing** the system, resulting in an improved system performance and user experience.

Relogix Inc

Sep 2021-Dec 2021

IoT Hardware Logistics Intern

Ottawa, ON

- Proficiently configured, programmed, and tested **Raspberry Pi** devices as gateways utilizing **Ubuntu Linux** operating system, resulting in successful deployment of gateways.
- Provided technical support for **IoT implementation**, assisted in troubleshooting and setup assistance, ensuring successful deployment and operation of the solution.
- Successfully built and deployed over **300 gateways**, and implemented automation of the **SD card flashing** process, resulting in significant improvement in production time.

Innovation, Science and Economic Development Canada

Jan 2021- Apr 2021

Spectrum Engineering Intern

Remote

- Utilized **IXUS software** to simulate **far-field RF exposure** of **5G antennas** on buildings and cell sites, providing accurate analysis of antenna performance and potential RF exposure levels.
- Conducted **near-field RF exposure** analysis on **antennas** used in phones and smart watches utilizing **Sim4Life software**, which were used to validate compliance reports submitted by Motorola, Apple, and Samsung.
- Assisted senior engineers in the development and drafting of issue 4 of **GL-01 & RSS-102 compliance documents**, contributing to the successful submission and approval of the documents.

EDUCATION

University Of Ottawa

Sep 2017 - Apr 2023 (Expected)

B.A.Sc. in Electrical Engineering (specialization in Electronics) with Co-Op

Ottawa, ON

- Relevant courses:** Data Structures & Algorithms, Object Oriented Programming, Computer Architecture I & II
- Awards:** Dean's Honour List (2021), University of Ottawa Admission Scholarship (2017)
- Cumulative GPA** (currently in final semester): 3.5/ 4 (3.7/4 last 2 years)
- Teams:** uOttawa Men's Soccer Team, University of Ottawa Electrical Car Racing (UOE)

University Of Toronto

Oct 2021-Mar 2022

Full-Stack Coding Bootcamp

SKILLS

- Languages:** Python, C#, HTML/CSS JavaScript, Java, C/C++, MATLAB, Assembly
- Frameworks/Library:** AngularJS, React, ASP.net, NodeJS
- Tools:** Azure, Git, Linux, Postman

PROJECTS

Covid Risk Monitor – Python, Raspberry Pi, Azure Cloud, Power BI Data Visualization

- Designed a wearable IoT device that suggests user's Covid risk level by monitoring their daily activities and interactions.
- Integrated **Ultrasonic**, **GPS**, **PIR** and **IIR** temperature **sensors** to collect and **analyze data**, displaying proficiency in sensor technology.
- Collected and uploaded data every two seconds to **IoT Hub** and used **Power BI** for data analysis and visualization, enabling **real-time monitoring** and decision-making for users.

Employee Management Portal – ASP.Net (C#), Angular 10 (TypeScript, HTML, CSS), SQL Server, Postman, REST API

- Developed a **web application** to manage employees and their departments by creating individual **profiles**, streamlining organization and communication within the company.
- Created custom profiles functionality using **SQL Server**, **MVC** and **CRUD** operations for communication with **back-end** and **database**.