Mohamed Mahmoud

I am a Computer Engineer with a lot of self-motivation and initiative to continuously learn about new technologies.

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EDUCATION

Bachelor of Computer Engineering
Memorial University of Newfoundland ☑

01/2015 – 04   *St.John's, NL*
Graduating in May 2019.

- Co-op Program - Fourth Year.
- Memorial University $3000 Entrance Scholarship.

WORK EXPERIENCE

Customer Support Engineer
Nokia Networks ☑

01/2018 – 04/2018   *Ottawa, ON*
Achievements/Tasks

- Worked on JIRA tickets on a daily basis.
- Recreated and fixed customer problems in Nokia's Lab.
- Developed my knowledge of Network Function Virtualization.
- Developed bash and TCL scripts to extract tech-support files from customers' servers.

Full-stack Developer
Bluedrop Learning Networks ☑

06/2017 – 09/2017   *St.John's, NL*
Achievements/Tasks

- Developed code using HTML5, JavaScript, Angular JS and Jasmine Unit tests.
- Solved different bugs on the platform and add new features.
- Developed SQL migration scripts and Worked with AWS S3 .
- Worked with Docker containers and project images.
- Experienced using JIRA, Codeship, Bitbucket and Git.

Software Developer
Verafin ☑

09/2016 – 01/2017   *St.John's, NL*
Worked with international banks' technical departments to resolve problems and ensure appropriate data transfer.

Achievements/Tasks

- Worked with SaaS and Amazon AWS S3 Buckets.
- Used PostgreSQL and SQL Server Management Studios.
- Worked in an Agile fast-based Environment.
- Advanced my experience with Java and attended software development meetings.

Control Systems Engineer
Engineering Faculty, Memorial University ☑

01/2016 – 05/2016   *St.John's,NL*
Initiated and completed the design of a Position and Speed Feedback System.

Achievements/Tasks

- Programmed the system's microcontroller in C/C++.
- Designed the system's circuit and PCB using Eagle CAD.
- Advanced my experience with embedded and control systems.
- Developed my soldering skills and experience with oscilloscopes and power sources.

SKILLS

Eagle CAD | PCB design   ATmega Assembly | Arduino

Quartus VHDL | ModelSim   OpenCV   ROS   MatLab

Bash | TCL   AWS S3 buckets   SQL Query

Jasmine Unit test   Bitbucket | GitHub   Salesforce | Jira

HACKATHONS

SF Hacks - San Francisco State University (03/2018)
- Created an image recognition app using OpenCV to tell the users if a Facebook friend is at their home door. The app is powered by Amazon Alexa.

Starters Hacks - Waterloo University (03/2018)
- Created an IOT solution that reminds elder people of their daily pills to take. The application was powered by Amazon Alexa and Dragon board.

Steel Hacks - University of Pittsburgh (02/2018)
- Developed an application using Image recognition (OpenCV) to detect drivers eyes and altered them if they fall a sleep while driving.

Uotta Hack - University of Ottawa (02/2018)
- This was my first Hackathon. We created an app that generates the nutritional value of user's groceries from an image of the shopping receipt.

EXTRACURRICULAR

MUN SAE Aerospace Club - Control Systems team lead (03/2017 – 04)
Building the control system from scratch for the competition aircraft.

Paradigm Hyperloop Team - Control Systems team member (04/2016 – 05/2017)
Created a custom dash-buttons to order a specific product from ebay or other online stores. The product is configured from an Android application

LANGUAGES

Language	Level
C/C++	●●●●○
Java	●●●●○
Python	●●●○○
JavaScript	●●●●○
AngularJS	●●●○○
HTML5	●●●●○

INTERESTS

Robotics   Mars Rover   Automation   Travelling

Hiking   Swimming   Coding   IoT solutions