FRED MOSE

210-7080 Inlet Drive, Burnaby, BC V5A 1B7
604-355-2880 | mosedref@gmail.com
https://github.com/Mosedref

EDUCATION

Simon Fraser University, Burnaby, BC

- Bachelor of Applied Science, Systems Engineering — Completed Dec 2018
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SKILLS

- C/C++
- Python
- Selenium WebDriver
- HTML/CSS/WordPress
- SolidWorks
- OS: Windows, Linux
- MATLAB
- Oscilloscope, DMM and function generators
- PCB board Circuit Design
- Zedboard and FPGA
- Surface mount Soldering

TECHNICAL WORK EXPERIENCE

Software Test Engineer (Co-op),
Sierra Wireless, Richmond BC — May-Dec 2017

- Designed, created and implemented effective testing strategies for Sierra's wireless network gateways products (GX400, GX440, LS300, ES440, MP70).
- Performed manual and automated software testing to test the LAN, WAN, SMS, Network Security, VPN, Serial communication, IP-Logging and SSH-Telnet features of wireless network gateways
- Designed and implemented automation scripts using Selenium WebDriver with Python for the products web application user interface
- Identified, documented, and tracked software bugs found during testing using JIRA and Confluence
- Resolved bugs and fixes for the User Interface Tools

Junior Web Developer (Co-op),
Olka Solutions, Burnaby — May-Aug 2016

- Developed, enhanced and maintained websites using HTML and CSS
- Provided support in the development of testing plans and the execution of test plans
- Created search engine optimization (SEO) content and promotional strategies for customers which increased their online traffic by an average of 40%

Research Assistant (Co-op),
MENRVA Research Group, SFU — Jan-Apr 2015

- Developed set up to test Dielectric Elastic Actuators (DEA's) on their conductivity and reliability using methods such as the four point probe in order to better integrate it into smart stockings
- Assisted in building circuits for the electronics used to control the DEA's
- Wrote a conference paper of my research findings and presented it at the *CANSMART 2015 : International Conference on Smart Materials and Structures* held in Vancouver in July 2015

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TECHNICAL PROJECTS

SafeLift -Forklift Proximity Warning System (Capstone) Jan – August 2018

- Designed a UHF RFID and Sensor system programmed in C/C++, that minimizes the risk of accidents between forklifts and pedestrians in shared work zones in warehouses
- Designed & implemented a Graphical User interface in Python, for real-time warning feedback to forklift operator
- Created a SolidWorks model of the gamma prototype and 3D printed it and tested it on a static forklift

OTHER WORK EXPERIENCE

Warehouse Operations Associate
Anixter, Burnaby Apr 2018- Present

- Verify material against printed orders and available inventory
- Picking, processing and packing customer orders
- Organizing merchandise in warehouse for easy access
- Providing customer service to walk in customers

Project Assistant (Contract Part-time),
Work Integrated Learning, SFU Burnaby May - Dec 2018

- Participating in the development of strategic research planning in improving student services
- Research and documentation of best practices on the Equity, Diversity and Inclusion initiative
- Collecting demographic and other information from faculty, staff and students through surveys or other means
- Collecting input from community members about actions SFU could take to eliminate barriers and to ensure all its members are respected, supported and included

Tradeshow Technician (Part-time)
Showtime Displays, Burnaby Nov 2015- Dec 2018

- On-site set up and dismantles of event/trade shows across the Vancouver area
- Receiving and managing inventory after returned from events. Track and restock inventory ensuring products are well organized and available to customers
- Inspecting inventory for damage and updating records for quality purposes
- Providing customer service and other kinds of support during the events.

INTERESTS

- Cooking, world music, meeting new people, biking, reading and dancing.