Sukhraj Litt

20 Blue Jays Way. **|** Toronto, ON. M5V3W6 | (647) 987-0121 | [sukhraj.litt12@gmail.com](mailto:sukhraj.litt12@gmail.com)

**EDUCATION**

**RYERSON UNIVERSITY *Sept 2014 – Expected 2019***

* Bachelor of Engineering (BEng), Electrical Engineering Program
* Fourth year Dean’s List
* Relevant Courses: Power System Analysis, Advance Electric Drives, Control Systems, Power Systems Protection, Electric Vehicles

**WORK EXPERIENCE**

**SUMMER INTERN,** FORD MOTOR COMPANY  ***May 2018 – Sept 2018***

* Installed gas and brake pedals into Ford Edges
* Installed rear applicator, striker, and ground screws into Ford Flex and various MKT-models

**AUDITING & COMPLIANCE DEPARTMENT, *June 2017 – August 2017***

*PRIMERICA FINANCIAL SERVICES*

* Programmed macros on Excel using VBA
* Scanned and Organized compliance documents
* Searched for red flags regarding charities involved in insurance policies

**FAILURE ANALYSIS TECHNICIAN,** *EVERTZ MICROSYSTEMS LTD.* ***May 2016 – Sept 2016***

* Testing and troubleshooting of SD, HD, and 3G video products
* Analyzing circuits based on a schematic diagram
* Troubleshoot and repair to the component level
* Following documented procedures and processes related to testing and troubleshooting
* Recording measured results in numerical and graphical forms with the correct units and titles
* Troubleshooting and testing using test equipment such as an Oscilloscope, DMM, Function Generator and WFM 700
* Worked on various products such as 7812UC-HD, 7710DCDA-HD, 7812UDXD-3G etc.

**KEY SKILLS**

**COMPUTER AND TECHNICAL**

* **Operating Systems:** Ability to perform a variety of tasks in Mac OSX, Linux, and Windows.
* **Word Processing & Data Presentation:** Microsoft Office (Word, Excel, PowerPoint), iWorks (Pages, Numbers, Keynote).
* **Computer languages:** Knowledge in MATLAB, Swift programming, C, VHDL, java
* **Additional Software:** Knowledgeable in ETAP, Multisim, Simulink, Adobe Photoshop, Prezi, XCode, and iMovie

**PROJECTS**

* **Embedded Media Centre:** A media centre was designed on a MCB1700 board. The media centre consisted of a photo gallery, mp3 player and three two-dimensional games.

**What I learned:** Experience using GIMP and C language.

* **Linear Regression Modeling:** System Modeling and Identification using least squares approach and Ljung’s Model structure.

**What I learned:** How to successfully model an unknown process with different model structures such as the Output Error, Box-Jenkins, Prediction Error Method and other various models, and validate these models with validation methods via MATLAB.

* **Three-Phase Symmetrical Fault Analysis:** A three phase balanced power system with a three-phase fault at a certain bus was simulated on to ETAP. Using ETAP’s tools the fault currents and voltages were calculated. These results matched the results calculated by hand thus successfully completing the lab.

**What I learned:** How to determine faults within a power system manually and via ETAP.