

## **RAHMANULLAH MOHD**

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### **Objective:**

To obtain a challenging position in a high quality-learning environment to develop, advance skills and gain knowledge as an engineering graduate

### **Education:**

#### **Ontario Tech University**

Electrical Engineering, Bachelor of Engineering in Smart Grid (Honours)

UOIT Presidents List

**Sep 2014 - April 2020**

**April 2020**

### **Summary of Qualifications:**

- Strong detail oriented, written and oral communication skills proven through several group projects, lab and technical report documentation
- Strong leadership skills: able to prioritize, delegate tasks, and make sound decisions efficiently while maintaining a focus on the deadline
- Able to learn different hardware and software very quickly with little to no instruction
- Proficient user of Microsoft Word, Access, Excel and PowerPoint in creating and editing presentations, spreadsheets and technical reports
- Programming experience in C++ Programming and Microsoft Visual Basic
- Experienced with electrical engineering software such as POWERWORLD, LabVIEW, Multisim, Siemens NX, Auto CAD and MATLAB
- Comprehensive understanding of electrical design related to transmission and distribution lines, circuit breakers, power transformers, etc.
- Fundamental understanding of power system control centers and communication protocol such as SONET (Synchronous optical networking)
- Examined legal, social and ethical issues that Professional Engineers must face during professional practice while taking the course Ethics, Law and Professionalism for Engineers

### **Employment History:**

#### **Freelancer Web designer**

**June 2018 – Current**

- Experienced in designing and developing custom WordPress websites
- Familiarity with google analytics, search engine optimization

#### **Protection, Control and Metering (PCM) Intern, Hydro One Inc**

**Sep 2018 – Aug 2019**

- Assisted Senior Control Engineers to coordinate various design disciplines to produce optimal designs for replacing/upgrading control systems in power stations
- Managed the SCADA (Supervisory Control and Data Acquisition System) system support team to schedule and perform Point Verification Testing with the field P&C and IESO
- Assisted in designing of LAN infrastructure, Single Line and Electrical Wiring Diagrams
- Utilized Microsoft SharePoint for protection, control, metering document management and storage

- Troubleshooting, testing and commissioning of alarm, telemetry and control points at transformer, customer and switching stations
- Used engineering design standard in designing HMI, LCC screens for various substations in order to monitor the data from different devices in the fields like relays, RTUs
- Worked closely and professionally with consultants in order to coordinate with SCADA testing support work during scheduled power outages

## **Forensic Science Technician, Ministry of Interior**

**Nov 2006 – Dec 2013**

I was employed as a forensic science technician with additional responsibilities of the material controller

- Operating and maintaining laboratory equipment
- Gathering and properly storing crime scene evidence
- Identifying, classifying and testing evidence
- Preparing reports and maintaining detailed records of research findings, investigating laboratory techniques

## **Material Controller**

- Managing and maintaining inventory
- Ensuring all material is stocked promptly and accurately
- Performing item and monetary accounting and inventory stock control
- Performing operations involved in storage, inspection, identification and receipt of materials

## **Projects:**

### **Digital Safe Prototype**

- Created and programmed circuits to implement a Digital Safe system using latches, buttons, motors, LEDs, buttons and buzzers controlled by an Arduino UNO
- Accepts user input to validate correct/incorrect password with adaptive lighting

### **Motion Controller**

- Constructed and programmed a hand motion control with the use of ultrasonic sensors and Arduino capabilities
- Conducted unit testing on various parts of the project to validate controls
- Created project management schedules on MS Access to delegate tasks to team members as well as keeping track of deliverables that need to be submitted within a set timeline

## **Certification:**

- Lakeside Process Controls of Basic Instrumentation for Operations
- ALFA WASSERMAN operator training Course for drug analysis

*Reference available upon request*