

Zaki Ahmed

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Mechatronics Engineering Student ID#: 20620962

SUMMARY OF QUALIFICATIONS

- ❖ Proficient with HTML/CSS, JavaScript, C++, AutoCAD, SolidWorks and Microsoft Office (Excel, Word, PowerPoint)
- ❖ Strong communication and interpersonal skills; enhanced through past experience as a sales associate
- ❖ Particularly adaptable with an exceptional ability to learn new skills quickly
- ❖ Extremely adept at working with hands, and machinery
- ❖ Strong time-management skills; achieved scholars (90+ average) in high school while working part-time, and balancing extra-curricular activities; finished 1A term in excellent academic standing
- ❖ Excellent attention to detail, and strong analytical skills
- ❖ Experience with version control, C#, Objective C, Java, Git, and PLC's
- ❖ Knowledge of object-oriented programming, algorithms and data structures

WORK EXPERIENCE

QA ANALYST/DEVELOPER, ROUTETHIS, KITCHENER ON

Sept. 2016 – Dec. 2016

- Created a webpage to dynamically track performance-based statistics in real time for off shore employees
- Played major role in designing and creating initial client app that integrated company API framework that went out to companies like Dyson, Klipsch, Cambridge Audio etc.
- Tested and debugged multiple iOS and Android applications and framework throughout all stages of app lifecycle

TECHNICAL ASSISTANT/CO-OP STUDENT, GRAND RIVER FOODS, CAMBRIDGE ON

Jan. 2016 – April 2016

- Created a legislatively compliant Machine Lockout/Tagout program used to isolate energy sources for various machinery
- Updated MSDS documentation for harmful manufacturing/production materials; improved company records by over 75%
- Demonstrated strong communication/organizational skills through conducting/preparing WHMIS training and safety orientations for company workers and new employees
- Worked in a variety of roles including shipping, production, maintenance and quality-control
- Assisted Health and Safety Technician on a variety of different projects and tasks

OTHER EXPERIENCE

ASSISTANT, INDEPENDENT ELECTRICIAN, (PART-TIME), SCARBOROUGH, ON

Jul. 2011 – Aug. 2014

- Assisted Master electrician on the installation of electric panels, house wiring, lighting among other jobs
- Helped troubleshoot utilities and appliances while gaining practical experience with electrical/mechanical systems
- Followed regular safety protocol

FUEL CELL CAR PROJECT, UNIVERSITY OF WATERLOO, WATERLOO, ON

Oct. 2015 - Nov. 2015

- Constructed/designed a fuel cell car, able to navigate courses autonomously

- Programmed, tested and debugged the car in C++ on an IAR Embedded Workbench to use optical sensors and line-following algorithms to complete predesigned courses
- Worked effectively among a group of 4 mechatronics engineer students

ENGINE DISSECTION LAB, UNIVERSITY OF WATERLOO, WATERLOO, ON

Sept. 2015 - Oct. 2015

- Dissected and reconstructed an internal 4-stroke, single cylinder combustion engine to investigate it's components and design
- Tested and analyzed output of the engine after reassembly for efficiency

EDUCATION

UNIVERSITY OF WATERLOO, WATERLOO, ON

Sept. 2015 - present

Candidate for Bachelor of Applied Science, Mechatronics Engineering (Class of 2020)

- Relevant Courses: Algorithms and data structures, Digital Computation, Circuits, Structure and properties of materials, Mechatronics Engineering
- Learned PLC, object-oriented and event-driven programming, algorithms and data structures
- Finished 1A in excellent academic standing (80+% GPA)

LESTER B. PEARSON C.I., SCARBOROUGH, ON

Sept. 2011 - June 2015

Ontario Secondary Schools Diploma

- 93% Grade 12 Final average