

ABDULAZIZ ALMOALLIM

aziz.almoallim@gmail.com | aalmo038@uottawa.ca | (519) 722-1659
316 Bruyère Street, Ottawa, ON K1N 0C3
LinkedIn: <https://www.linkedin.com/in/abdulaziz-almoallim-135677116/>
GitHub: <https://github.com/AbdulazizA>

EDUCATION

- September 2015 – December 2020 **Bachelor of Applied Science (BASc) in Electrical Engineering (Specialization in Communications), Engineering Management and Entrepreneurship Option and Bachelor of Science (BSc) in Computing Technology • University of Ottawa, Ottawa, ON**
- Cumulative Grade Point Average: 7/10 (3.3/4)
 - Level of Study: 4
- June 2014 – August 2016 **Ontario Secondary School Diploma (OSSD) • Bluevale Collegiate Institute Secondary School**
- Overall average: 90.55%
 - Advanced Placement (AP) program
 - Choose to Lead program
 - Duke of Edinburgh's Silver Award – November 2014
 - Duke of Edinburgh's Bronze Award – September 2012
 - Worked over 70 hours in community service

EXPERIENCE

- October 2017 – August 2018 **Power System Coordinator • Tesla Hyper-Loop (University Team)**
- Key team member for the Tesla Hyper-loop project in which universities around the world propose a design to be implemented for supersonic land travel.
 - Collaborated with team to prepare a demonstration of the project at upcoming competition for a new form of land travel.
 - Accountable for ensuring function of the power and electrical delivery system for project. PSpice simulations were used to resolve issues encountered within the project's power delivery system.
 - Enhanced professional and personal skills by interacting and maintaining strong relationships with team members, sponsors, and other executive team members.
- May 2017 – August 2017 **Engineering Intern • Arabian Construction Company (ACC)**
- Managed all electrical aspects for a building including tracking inventory, verifying electrical design and resolving potential on-site problems
 - Provided regular updates to my supervisor regarding current progress and potential solutions for major issues
 - Worked extensively with a team of 4 members
- September 2016 – August 2017 **Electrical Engineer (Student) • uOttawa Richard L'Abbé Makerspace**
- Supervised students on both laser cutting and 3D printing services required for the development of their project
 - Designed acrylic models with the use of Cura 3D design software to ensure ample application and durability within a variety of engineering projects
 - Worked extensively in groups to complete projects in a timely fashion

February 2016 –
December 2016

Team Coordinator/Product Engineer • *Startup Weekend of Ottawa*

- Developed a mobile application, called BOND, and obtained funding as a startup venture to be released into the market. BOND is a social application that eliminates the use of business cards by implementing gesture-based contact transfer.
- Showcased effective leadership skills by mentoring the team during the competition.
- Developed excellent networking skills, by interacting with investors & venture capitalists interested in funding the start-up
- Demonstrated time management skills by submitting all required documents and prototypes by the specified deadlines.

PROJECTS

January 2019 –
December 2019

Indoor Grid-Based Robotic Navigation System • *Engineering Design Project*

- Designed a system of semi-autonomous robots capable of self-localizing and navigating in an indoor environment for object transportation to a user-specified destination
- Electrical: robotics, circuit design, power management, microcontroller, motor-control, actuator movement, 3D printing
- Computer science: data processing, image processing, computer vision

January 2019 –
April 2019

Four-Element Microstrip Patch Antenna

- Designed a microstrip patch array antenna to operate at a 5.7 GHz frequency in order to obtain the best radiation patterns and maximum power
- Performing software testing in NI AWR and hardware testing using a Vector Network Analyzer (VNA) in an anechoic chamber

September 2018 –
December 2018

JobZi: A Household Repair Android Application

- Developed an Android application, using Android Studio and Firebase, to offer an on-demand home repair service.
- Performed both front-end development and back-end development

EXTRACURRICULAR ACTIVITIES

September 2016 –
August 2017

Social Coordinator • *Charity Week for Orphans & Needy Children*

- Responsible for planning, organizing and advertising the Charity Week using a variety of social media tools

January 2020

Participant • *CANDEV Competition*

- Project with the Ocean and Fisheries about Automated Identification System (AIS)
- Programmed in python to create a decoder for each AIS ship

SKILLS

Software

- Python, Java, MATLAB, SQL, HTML, Arduino, Android Studio
- Firebase, Microsoft Azure
- Linux (Ubuntu), Microsoft Windows, Android
- AutoCAD, Fusion 360

Equipment

- Oscilloscope
- Waveform generator
- Vector Network Analyzer
- Spectrum Analyzer
- Altera Max FPGA board
- 3D printing

Electrical

- Electronics
- Communication Systems
- Power Systems
- Signal Processing
- Waves and Antennas
- PCB Design

LANGUAGES

- English (Native Level)
- French (Beginner Level)
- Arabic (Native Level)