

Antoine Maalouf

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Summary

- Electrical engineer seeking full time employment
- Experience in supervisory roles, project management, business process development, and manufacturing

Employment

Operations Manager

2017 - present

Formidable Microfactory (Beirut, Lebanon)

- Leading an interdisciplinary team of engineers and technicians in manufacturing and delivering custom made earphones using additive manufacturing
- Managing projects aimed at developing and validating business processes, manufacturing techniques, and equipment
- Develop a supply chain strategy and lean manufacturing processes to streamline production, lower costs, and increase efficiency
- Training team members and ensure their readiness for the product launch
- Writing and maintaining important documentation such as SOPs and training manuals
- Advising senior management on different aspects of the business including business plans, HR, and engineering
- Designing, building, and commissioning of new software and equipment necessary for production

Consultant

2016 - 2018

Self-Employed

- Advising small businesses interested in launching a website or mobile application
- Assisting in hiring developers and engineers needed for the project
- Insuring that projects are kept on track and milestones reached
- Organising beta testers and reporting about potential improvements to the final product

Maintenance Manager

2016 - 2017

Maalouf Marble (Beirut, Lebanon)

- Consulting about the purchase of new equipment and upgrades to current ones
- Creating maintenance SOPs and routine maintenance schedules
- Installing and Commissioning new machinery

Electrical Engineer

2015 – 2016

Essar Steel Algoma (Sault Ste. Marie, Canada)

- Leading several projects aiming at decreasing production costs and meet regulatory requirements.
- Projects include:
 - Decreasing the volume of waste water sent to external water treatment plants
 - Upgrading automation of reheat furnaces.
- Acquired Skills: Project management and taking on supervisory roles.

Electrical Specialist

2013 - 2015

Home Depot of Canada (Ottawa, Canada)

- Assisting potential customers in troubleshooting their problems and choosing the best solutions to their needs
- Consistently meeting and exceeding sales targets while helping other departments in reaching their goals
- Training team members on different topics including customer service, sales, and technical

Education

Bachelor of Engineering in Electrical Engineering

2013

University of Ottawa (Ottawa, Canada)

Specialisation: Renewable Energy

Final Project: Smart Home Lighting and Power Management

Topics Include: power systems, renewable energy optimization and feasibility study, power generation and transmission, smart grid, control systems modelling and analysis, electric machinery, project management, entrepreneurship, business management.

Internships and Projects

Electronics Designer

2011 – 2013

University of Ottawa Super Mileage Team (Ottawa, Canada)

- Worked with a team of other engineering students from several fields on the design of a fuel-efficient car to compete in US events.
- Responsibilities: PCB (Electronic board) design and manufacturing, soldering and reworking components, testing and troubleshooting designed hardware
- Executed the total car electrical wiring systems and supervised quality control prior to the competition events

Building Information Management (BIM) Internship

May 2011 – Aug 2011

AJB BMS (Beirut, Lebanon)

- Design and development of Building management systems and the use of Honeywell proprietary software for both the design and control of the systems.
- Introduction to several protocols used in the industry such as BACnet and Lonworks
- Visited construction sites and observed control systems being installed

Volunteer Experience

Foot Patrol

2008 –2013

University of Ottawa Foot patrol (Ottawa, Canada)

- Accompanied students from campus during the late hours of the night to insure their safety

Beer Cashier

2010- 2014

Ottawa Blues Fest Charity (Ottawa, Canada)

- Handled beer sales during a charity festival, controlled access to VIP zones, and assisted in the enforcement of minimum age requirements.

Skills and Qualifications

Languages Spoken: English, French, Arabic

Computer Skills: Python, Java, JavaScript, AutoCAD, Microsoft Office, Microsoft Project, MATLAB, Rhino3D, Fusion360, Google App Scripts

Countries with full work right: Lebanon, Australia, New Zealand

References Available upon request