

AHMED EL YAMANI (CPI)

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PROFESSIONAL SUMMARY

A junior electrical engineer who thrives in collaborative environments, dedicated to ongoing learning and tackling complex challenges. Currently developing skills in circuit design, electrical system analysis, and programming, with a passion for innovation and making meaningful contributions to advanced technological initiatives. Fully bilingual, known for diligence, attention to detail, and a strong ambition to forge a successful career in the electrical industry.

SKILLS

- Attention to detail
- Teamwork
- Agility and flexibility
- Problem solving

PROFESSIONAL EXPERIENCE

Project manager | Internship at CSSMB Inc. | Montreal, QC

May 2023 - September 2023

- Ensure compliance with the standards of the CSSMB during renovation work.
- Contribute to team meetings by providing relevant recommendations.
- Verify the work's compliance with the specifications outlined in the plans and specifications.
- Anticipate, manage issues, and project risks.
- Monitor billing and approval of workers' tasks.

Network engineer | Internship at Ericsson Inc. | Ottawa, ON

September 2021 - December 2021

- Analyzed telephone network performance for T-Mobile using Power BI and OneData.
- Identified trends and anomalies to forecast performance needs and enhance network management.
- Prepared detailed technical reports on issues in telephone signals.
- Optimized network performance through data-driven insights and capacity planning.
- Performed RFST & RFDS analysis to identify the root cause of PIM & external interference in order to reduce high uplink interface
- Collaborated with cross-functional teams to address performance issues and implement network enhancements.

Self-sorting bin machine | Academic project

September 2023 - May 2024

- Conducted comprehensive research on the progression and evolution of the project.
- Designed electric schematics for a PCB and 3D models for the mechanical part.
- Programmed the electronics connected to the Raspberry Pi using Python.
- Drafted specifications and a user manual for the project.
- Delivered the project on schedule with all required documents.
- Identified issues hindering project progress.
- Troubleshooted and tested the electrical system.

Autonomous hovercraft | Academic project

October 2022 - December 2022

- Programmed the microcontroller ATmega328P.
- managed a team and its tasks.
- Consult the datasheet for each product to determine its power requirements.

Baby monitoring app | Academic project

January 2023 - April 2023

- Upload and commit new code to GitHub.
- Code the mobile app using Java.
- Establish communication between the app and the server.

QUALIFICATION

C++, Python, Java, Arduino, Matlab/simulink, KiCAD, AutoCAD, Excel, GitHub, ChatGPT

EDUCATION

Bachelor in Electrical Engineering
Concordia University

Montreal, Canada
September 2020 - May 2024