

Anas El Fali

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PROFESSIONAL EXPERIENCE

ANDRITZ Hydropower North America - Internship

Project Management Intern

Montreal, Canada

October 2025–Present

- Collaborate with system and design engineers on hydropower modernization projects, supporting technical documentation, component specification, and performance assessments
- Assist in coordinating technical deliverables, procurement schedules, and engineering change requests across multidisciplinary teams
- Contribute to project review meetings by providing updates on design progress, testing milestones, and system integration challenges

National Electricity Regulatory Authority (ANRE) - Internship

Energy Systems Regulatory Engineering Intern

Rabat, Morocco

June 2023–August 2023

- Researched green hydrogen production and its integration into Morocco's electrical grid, addressing infrastructure and regulatory challenges
- Developed regulatory guidelines for safe green hydrogen use and collaborated with stakeholders to assess its impact on grid stability and energy storage

Center of Learning and Excellence (CLE)

CRLA Certified Peer Tutor

Ifrane, Morocco

January 2022–January 2023

- Tutored university students in CAD, Calculus 1, Chemistry, and Python programming, improving comprehension and academic results
- Conducted one-on-one and group sessions to reinforce core topics, ensuring students stayed on track with their coursework

EDUCATION

Concordia University

Master of Engineering in Electrical and Computer Engineering

Montreal, Quebec

September 2024 – Present

- **Relevant Courses:** Microprocessors and Their Applications, Renewable Energy Systems, Telecommunication Network
- **Projects:** Design and Implementation of a Digital Guitar Effects Pedal Using a STM32H753ZI Microcontroller, Design of a Grid-Connected Photovoltaic (PV) System for a House

Al Akhawayn University

Bachelor of Science in General Engineering, Concentration in Mechatronics

Ifrane, Morocco

September 2020 – May 2024

- **Relevant Courses:** FPGA for Embedded Systems, Power Electronics, Sensor Instrumentation, Thermodynamics, Data Analysis
- **Capstone Project:** Development and Simulation of a Thrust Vector Control (TVC) Landing System for Rocket Descent: A SpaceX-Inspired Approach
- **Publication:** Blockchain-Enabled Edge Computing and Sensor Integration for IoT-based Smart Grid Systems – Implementation and Energy Management: Morocco Case Study

VSB Technical University

Exchange Semester

Ostrava, Czech Republic

September 2023 – January 2024

- **Relevant Courses:** Signals and Systems, Mechanics of Materials, Data Transmission
- **Project:** Simulation of Radar Transmission with Barker Code Autocorrelation Techniques

LANGUAGES & TECHNICAL SKILLS

- **Languages:** French (Fluent), English (Fluent), Arabic (Fluent), German (Conversational)
- **Software:** MATLAB, Simulink, SolidWorks, Ansys, Proteus, JIRA, MS Office (Word, Excel, PowerPoint)
- **Programming:** C, Python, VHDL, Django
- **Other:** Control systems design, electrical engineering design, programmable logic controller (PLC), and technical documentation

EXTRA PROFESSIONAL EXPERIENCE

JIHA Nautical Club, Professional Swimmer

2009 – Present

Participation in the National Championship and Throne Cup in Morocco.

Marrakech, Morocco

AUI Mechatronics Team, Mechanical team

November 2022 – May 2024

Winner of the 2023 and 2024 edition of the "VEX ROBOTICS" competition in Morocco and qualification at the international level in Dallas, Texas.

Ifrane, Morocco

References available upon request