

Adnane Ezouhri

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Professional Experience

Software Engineer, Collins Aerospace, *Cedar Rapids* May 2023 – August 2023

- Contributed to the Avionics team, developing a critical Information Management On-Board (IMO) system for an Airbus A350
- Contributed to daily Agile Scrum meetings with US and French teams, assessing product and facilitating effective communication
- Demonstrated adeptness in Python and employed Agile development principles to craft robust software solutions
- Conducted rigorous test cases to ensure optimal performance and reliability of the IMO system in simulated flight scenarios
- Worked independently within a highly skilled team, taking ownership of assigned tasks, delivering high-quality software solutions

Software Engineer, FarrPro, *Iowa City* August 2022 – December 2022

- Restructured database enhancing data flow efficiency between Sentry Software, devices, and server, reducing time complexity
- Rebased data structure used in home-made software to enhance capabilities and solve 120+ bugs
- Showcased prototyping and testing skills by successfully developing a gateway using an ESP32, utilizing various code editor
- Engaged in continuous learning and skill development, staying up to date with emerging technologies
- Developed code in Android Studio in Java, Android, and XML to monitor piglets and swine to notify farmers of unusual activities

Electrical Engineer, Arconic Inc, *Davenport* May 2022 – August 2022

- Collaborated in optimizing coil cooling time with a 6-member Engineering team, fostering effective teamwork and communication
- Enhanced communication architecture for the capital project through Modbus TCP/IP and Ethernet connections
- Ensured on-schedule plant operations through rapid troubleshooting, including switch replacement and machinery reconfiguration
- Utilized Excel and PI Vision for data analysis, identifying machinery malfunctions with strong analytical capabilities
- Implemented upgrades controls, optimizing the cooling system, and highlighting innovation and a commitment to improvement

Teaching Assistant, University of Iowa College of Engineering, *Iowa City* August 2021 – June 2023

- Facilitated engaging discussions on Kirchhoff's Law, DC/AC circuits, and voltage/current division for 30 students.
- Conducted thorough exam and homework review sessions, assisting students in achieving academic success
- Earned positive feedback from 100+ students, showcasing effective communication and support skills
- Provided attentive guidance to a lecture hall of 120+ students during in-class assignments, ensuring optimal learning opportunities

Engineering Project

OmniLense: Facial Recognition Glasses August 2022 – May 2023

- Showcased strong problem-solving skills and teamwork by collaborating effectively with 3 fellow engineers to overcome challenges and achieve project goals.
- Demonstrated expertise in facial recognition technology, hardware integration, and software development throughout the project.
- Secured multiple awards in a university-sponsored pitching competition, including the initial prize of \$300 and subsequent funding of \$15,000 for further business exploration

Education

University of Iowa, Master of Science Electrical & Computer Engineering (M.S) August 2022

University of Iowa, Bachelor of Science Electrical & Computer Engineering (B.S.E) August 2019
Minor: Computer Science, Mathematics

Leadership

Model UN Delegate, Country delegate

- Delegate of Belgium in Geneva at UN headquarters, over the topic of AI and Ethics, was elected best delegate
- Delegate of Portugal in New York at the UN headquarters over the topic of food sustainability and world hunger

Skills

- Programming Languages: Java, Python, C++/C#, Ruby, JavaScript
- Tools & Frameworks: Jira, Git, Node.js, Ruby on Rails, Flask, Unity, API
- Web Technologies: HTML, CSS, JavaScript, React
- Database Systems: SQL, Firebase, InfluxDB
- Linguistics: French (Fluent), Spanish (Intermediate), Arabic (Intermediate)