

Doha JOUAY

3rd year industrial management student in EMINES

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Education

Engineering degree in industrial management • EMINES-UM6P (University Mohammed VI Polytechnic)

September 2022 – present

Engineering degree program

Coursework includes data Science, probability, machine learning, optimization, statistics, differential calculus, programming (Python, C, MATLAB, Java, SQL), robotics, energy efficiency, mechanics, thermodynamics, biomedical engineering and project management.

September 2020 – June 2022 (2 years)

Preparatory classes: Physics-Math-Robotics-CS • EMINES-UM6P (University Mohammed VI Polytechnic)

Preparatory classes program

Coursework includes calculus, general topology, algebra, analysis, robotics, electromagnetics, electronics, and thermodynamics.

Professional experience

International Research Internship • University Tenaga Nasional (UNITEN) - Malaysia

June 2024 – September 2024 (3 months)

During this 3-month internship, I worked on the use of Machine learning for the prediction of different properties of glass. The work done served as a comparison to the experimental results of the researcher I was working with.

This internship resulted in the publication of 2 different papers.

March 2024 (5 days)

Internship • LEYTON

During this week, I shadowed the director of innovation at LEYTON, which is an international consulting firm, present in 16 different countries.

Delved into the world of consulting and management.

October 2023 (2 days)

Coding digital strategies hackathon • BCG Platinion

Conceptualized and developed Libera, during a highly competitive 2-day hackathon. Libera is a game-changing smart solution for the future of mobility. It's a platform that does the matchmaking between suppliers, clients, and transporters. It resulted in 1st place nationally and 2nd place in the global ranking.

June 2023 (1 month)

Internship • Green & Smart Building Park

Delved, during this 1-month internship, into strategies for optimizing building energy efficiency, focusing on AI and optimization techniques through extensive research. My tasks were focused on searching for articles on urban sustainability and energy efficiency in buildings and presenting the solutions used in different organisms.

September 2022 – December 2022 (4 months)

Project: Biomedical engineering • EMINES

In the context of this project, my team worked on the simulation of the airflow in the human lungs, especially in the case of someone with Asthma. We used Python to solve Stokes equation in a normal bronchus and the bronchus of an asthmatic person.

Personal experience

July 2023 – June 2024

Treasurer of Rotaract EMINES •

Lead financial management and help as well in decision-making for this global humanitarian club affiliated with Rotary International.

December 2021 – June 2022

President and founder of Rotaract EMINES •

Creating this club was an adventure during my second year in EMINES. I got to lead a club of 25 members and organize different events and actions within the club.

September 2021 – June 2022

Vice-President of E-Maths•

During this mandate of the club, we organized various math conferences covering topics like topology.

September 2018 – June 2019

Grand debates competition at Elaraki International School•

Excelled in the annual high school debates, reaching the 2019 finals. This year-long competition honed my public speaking and debating abilities.

Skills

Technical skills • Python, MYSQL, SolidWorks, Problem-solving.

Communication skills • Languages proficiency, Microsoft (PowerPoint, Word, Excel), Public speaking, MS Project

Languages

English • Fluent ; **French** • Bilingual ; **Arabic** • Native ; **Spanish** • Beginner ; **Mandarin Chinese** • Beginner

Outside activities

Sports (Football, Basketball), reading.