

Mariam Mannaa

Water and Wind Engineer

Self-motivated Risk and Environment Engineer works well under pressure, adaptable, and ready to be a strong team player.

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Lyon, France

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EDUCATION

Master Degree in Risk and Environment - M2 Water and Wind Engineering

École Centrale de Lyon

09/2022 - Present

Lyon, France

Courses

- Urban Water Management
- Urban Climatology
- Free Surface Flows
- Atmospheric pollution
- Turbulent Flows
- Climate Change

Degree of Bachelor of Engineering in Civil and Environmental Engineering

Phoenicia University

10/2015 - 09/2020

Ed Daoudiye, Lebanon

Lebanese Bacculaureate in Life Science

Tyr Official School for Girls

09/2008 - 07/2015

Tyr, Lebanon

WORK EXPERIENCE

Trainee

LMFA Lab

05/2023 - 07/2023

Lyon, France

Fluid Mechanics and Acoustics Laboratory

Achievements/Tasks

- Conducted velocity measurements to analyze pollutant flow behavior over an idealized industrial site using an atmospheric wind tunnel
- Performed numerical simulations to model pollutant dispersion and validated the results by comparing them with experimental data

Contact : Marie Poulain-Zarcos - marie.poulain-zarcos@ec-lyon.fr

Trainee

Stema Company

03/2022 - 01/2023

Tyr

Engineering and Contracting

Achievements/Tasks

- Design a building structure according to the order of Engineers and Architects in Lebanon
- Check the concrete and reinforcement work on site

Contact : Eng. Mohammad Tajeddine - Mob: +961 76 739 246

Trainee

SES s.a.l

08/2021 - 11/2021

Sustainable Environmental Solutions

Achievements/Tasks

- OHS management - according to the ISO45001
- Baseline - description for the environment surrounding the project
- Scoping Report for an EIA of a poultry processing industry

Contact : Senior Consultant Sara Hteit - Mob: +961 70 781 997

SKILLS

Python

QGIS

MS-Office (Word, Excel, PowerPoint)

Overleaf

AutoCAD

CFD Simulation

ANSYS Fluent

IRIC

Javafoil

P6 - Scheduling

PERSONAL PROJECTS

Storm Water Management (01/2024 - 04/2024)

- Manage the surface water runoff in Lyon 3rd arrondissement for a project at INSA
- Parapluie and Urbis software were used to implement integrated devices

Wind Farm Design (11/2023 - 12/2023)

- Develop and maintain a wind farm for Centrosus Island
- Optimize the design of the turbines according to the given data

Residential Villa (02/2020 - 05/2020)

- Design a two-story villa using Etabs and Safe software to apply for a building permit
- Check the allowable deflections and analysis

Research Paper (09/2020 - 01/2020)

- Research paper about "Arab Females in the Media's Eyes".

WORKSHOP

The Nawaya Network (09/2021 - 01/2022)

Attended Tafawok employment program, that included skill training, career guidance, coaching, and personalized mentorship.

VOLUNTEER

Scout Leader (01/2016 - 01/2022)

Manages meetings, plans, and programs related to self-awareness, women empowerment, and environmental issues.

LANGUAGES

English

Full Professional Proficiency

Arabic

Native or Bilingual Proficiency

French

Elementary Proficiency

INTERESTS

Nature

Photography