

SEEKING FOR BUSINESS MANAGEMENT INTERNSHIP

Mechanical engineer currently enrolled in a MBA in general management program, I am seeking for an internship as a business management intern.

WORK EXPERIENCE

Mechanical Engineering Intern at FRAMATOME – Lyon, FRANCE**Mar. 2021 to present**

- Carried sensitivity studies of reduced models on the lateral deformations of fuel assemblies in nuclear plant cores for PWR in France.
- Performed comparative analysis of efficiency and precision of reduced nuclear plant core models with Python to reduce the processing time.
- Processed and analyzed deformation data of 3 nuclear plant cores with Python.
- Analyzed the global sensitivity of the model input parameters using polynomial chaos expansion methods implemented in Python & Dakota.

**Mechanical Engineering Intern at THALES – La Ferté-Saint-Aubin, FRANCE****Feb. 2020 to Jul. 2020**

- Developed the entire innovative concept of a defense system using drones.
- Defined the drone operational requirements, functional specifications, used technologies, and components' characteristics.
- Established aerodynamic constraints and created operating ranges charts with Excel. This work allowed for pre-dimensioning the aerodynamic components and the drone structure.
- Designed the mechanical architecture including electronic components, aerodynamic elements, and propulsion system with Creo.

**EDUCATION**

IAE Lyon, FRANCE – MA / MBA in General Management Program**2021 – 2022**

- Business Management (**full English courses**)
 - Accounting & Financial Analysis, Business Economics, Business Law
 - Organizational Behavior, Corporate Social Responsibility
 - Corporate Strategy, International Seminar

**Ecole Centrale de Lyon, FRANCE - MSc in fluid and energetic mechanics****2020 – 2021**

- Advanced Fluid Mechanics/Dynamics
 - Extensive Computational Methods, High Performance Computational Simulation
 - Complex and multiphase flows, turbulence, CFD
 - Gaz Dynamics, Combustion Physics

**Polytech Lyon, FRANCE - Master of Engineering in Mechanics****2018 – 2021**

- General Mechanics
 - Fluid/Structural/Vibration Mechanics, Acoustic, Thermodynamics
 - Computational Methods, Programming
 - English TOEIC 880/990 (corresponds to TOEFL 87-109/120)

**IUT Besançon-Vesoul, FRANCE - AS in Mechanics and Industrial Process****2016 – 2018**

- Ranked top 4 (67 students)
 - General Mechanics, CAD, Mathematics
 - Quality, Manufacturing, CAM

**SKILLS**

- Programming:
 - Python, C/C++, MATLAB, MPI/OpenMP
- CAD:
 - Creo, Catia, Solidwork
- CFD:
 - Ansys Fluent
- Office:
 - MS Office Suite, UNIX/LINUX