Karim Majdoub

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Education

Ironhack: Global Tech school ranked top 2 worldwide, Paris Campus　　　　*July 2022-Sept 2022*
Data analytics bootcamp 400+ hours, RNCP niveau 6
- *Programming in Python & SQL, Data collection, management & cleaning, Web scraping. DAX*
- *Statistics, descriptive and predictive analytics. Data visualization in Seaborn, matplotlib, Tableau*
- *Machine learning, supervised & unsupervised learning, deep learning, auto machine learning*
- *Project management (agile, waterfall, scrum)*

ENSAM, Mines Paris Tech, University of Paris　　　　*2019- 2021*
MSc in Biomedical Engineering, Biomaterials and biodevices
- Equivalent GPA: 3.5/4

American University of Beirut (AUB)　　　　*2016- 2019*
Bachelor of Engineering, Mechanical Engineering
- Courses in materials, manufacturing, design, thermodynamics, statics, dynamics, thermal systems
- Dean's honor list x 5   GPA: 3.5/4

American University of Beirut (AUB)　　　　*2013- 2016*
Bachelor of Science, Chemistry
- Courses in organic, inorganic, analytical chemistry, biochemistry, electromagnetism, calculus, statistics
- Dean's honor list   GPA: 3.4/4

Professional experience

Improvalue management consulting, Paris　　　　*Jan 2022 – Mar 2022*
Consultancy firm specialized in cost management engineering (consulting)
Junior Consultant
- Primary and secondary research within the automotive industry based on client's requirements
- Benchmarked client's product against competition showing strengths and weaknesses of client's product
- Presented and highlighted findings to client and consultants both in person and online
- Calculated the estimated cycle time and cost to manufacture mechanical parts which led to a 13% decrease in expected cost
- Worked alongside with senior consultant to analyze and managed KPIs and dashboards
- Collaborated with international and local team of 15 people

Centrale Supelec, Paris Saclay　　　　*Feb 2021 – July 2021*
Top French graduate engineering school
Biomedical engineer intern: Quantification of dentin's young modulus (Biomechanics)
- Setup the protocol of sample preparation and testing.
- Developed a model to compare experimental and theoretical results
- Analyzed data using python libraries pandas, numpy and scipy.stats.
- Created graphs and charts using python libraries matplotlib and seaborn
- Coordinated and managed the progress of the project in a multidisciplinary team of 5 personnel

Paris Diderot　　　　*Feb 2020 – July 2020*
Top French university
Biomedical engineer intern: Surface tension analysis of cancer spheroids under PTT (Nanoscience)
- Performed experiments under the appropriate setup and different conditions.
- Successfully demonstrated an undocumented phenomenon.
- Analysis of results, presentation of findings

Languages, technical skills and interests

- **Languages**: *English (bilingual), Arabic (bilingual), French (B2-C1), Italian & Dutch (beginner)*
- **Technical skills:** *ANSYS, COMSOL, MATLAB, Image J, Python, MySQL, Microsoft Office Applications (Word, Excel, PowerPoint), Tableau, Power BI, Jira, Scrum*
- **Interests**: *Basketball, weightlifting, music, volunteering, podcast host*