

Karim Majdoub

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[Github](#)

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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

Improve 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 Supélec, 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