

Muhieddine Skafi

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EDUCATION

American University of Beirut (AUB), Master's in Engineering Management (MEM) *Aug 2023 – Aug 2024*

- **GPA: 3.77/4.0**
- Activities and societies: AUB Consulting Club, 180 Degrees Consulting Club (AUB Branch)

American University of Beirut (AUB), Bachelor's in Mechanical Engineering (BE) *Sep 2019 – Jun 2023*

- **GPA: 3.2/4.0**, Dean's Honor List (Spring 2023)
- Activities and societies: ASME AUB Organization, AUB Culinary Club

PROFESSIONAL EXPERIENCE

ITCAN Solutions, Saida, Lebanon, Technical Engineer *Aug 2024 – March 2026*

- Drafted and converted P&IDs for Oil & Gas projects (QAPCO) using AVEVA software
- Conducted quality assurance (QA) for P&IDs to ensure accuracy and compliance
- Communicated with client, sending Technical Queries regarding errors in original AutoCAD drawings and suggested fixes
- Worked with the piping supports team on QAFAC Oil & Gas project using AVEVA E3D for drafting/editing support designs and utilized Navisworks Freedom to perform clash detection

Lead Consult, Abu Dhabi, UAE, Mechanical Engineering Intern (Remote) *Jun 2023 – Aug 2023*

- Conducted bottom stability analysis on an HDPE pipeline using both analytical and finite element analysis methods

MASCO, Middle East Airlines- Airliban, Beirut, Lebanon, Intern *Dec 2022 – Jan 2023*

- Completed theoretical and practical training on A320 family avionics, airframe, power plants, and aircrew procedures
- Attended maintenance briefings and visited MASCO shops for hands-on exposure to aircraft maintenance operations

EMTECH, Sin El Fil, Lebanon, Mechanical Engineering Intern *Jun 2022 – Aug 2022*

- Worked on HVAC designs including Static Pressure Drop calculation for FAHU, AHU, FCU and Fuel Pumps
- Performed WHA selection on Plumbing designs and edited Storm Water System and Firefighting Designs

EXTRACURRICULAR EXPERIENCE

AUB Consulting Club & 180 Degrees Consulting, Member *Sep 2023 – Aug 2024*

- Attended workshops and events organized by the club

AUB Outdoors, Safety Team *Apr 2023 – May 2023*

- Ensured proper coordination between team members and assisted in guaranteeing the safety of the event

Private Tutoring, Tutor *Jan 2022 – Jun 2023*

- Provided personalized, one-on-one instruction in MECH courses to students to enhance their understanding and performance

PROJECTS

Decision Making Re-evaluation *March 2024- May 2024*

- Conducted a detailed decision analysis audit of Apple's Project Titan cancellation decision, employing deterministic and probabilistic methods to model uncertainties and optimize strategic outcomes

Risk Management for Coastal Resort in KSA *March 2024- May 2024*

- Crafted a risk management plan for a coastal resort project in KSA, utilizing advanced risk assessment tools and methodologies to identify, assess, and mitigate potential risks, ensuring the project's completion within budget and schedule constraints

Wearable Seizure Detection and Protection Device *Sep 2022- May 2023*

- Designed and developed a wearable device integrating a neural network to detect and protect epilepsy patients from seizures-induced falls, significantly enhancing fall detection accuracy

Design of a PV System *May 2023*

- Engineered a comprehensive photovoltaic (PV) system for optimal energy generation, focusing on solar sizing and system efficiency using PVSYST

VOLUNTEERING

Badiri & Dar Al-Salam Organizations, Volunteer *Jun 2018 – Aug 2018*

Al-Riaya Organization, Volunteer *Feb 2018 – Apr 2018*

SKILLS & PERSONAL

Certificates: McKinsey Forward Program

Languages: Arabic (native), English (fluent), French (proficient), German (beginner)

IT: Microsoft Excel (@Risk and Excel Solver), Microsoft Word, Microsoft PowerPoint (Think-Cell), C++, MATLAB, LabVIEW, NI Multisim, Autodesk Inventor, AUTOCAD, Arduino, Creo Parametric, PVSYST, Autodesk Fusion 360, Python, AVEVA, Navisworks

Research & Soft Skills: Attention to detail, Problem-solving, Time Management, Leadership, Communication, Team building, Organizational Management, Public Speaking, Report Writing, Listening, Adaptability, Open-mindedness

Interests: Chess, Football, Tennis, Gymnastics