

Hussein A. Wazne

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EDUCATION

- Sep. 2020 – Present** **American University of Beirut – Lebanon**
- BEng in Mechanical Engineering (Cumulative GPA: 3.91)
 - Placed on the Dean's Honor List every semester since enrollment
 - Expected graduation date: June 2024

PROFESSIONAL EXPERIENCE

- Sep. 2023 – Present** **H2X Solutions, Co-Founder – Lebanon**
- Developed advanced algorithms in Python and MATLAB, significantly enhancing localization accuracy and competitive edge
 - Led the company through two accelerator programs, securing \$15k funding and establishing key business strategies for growth
 - Integrated technical solutions with business strategies, enhancing cross-functional collaboration and accelerating product development
 - Introduced data-driven decision-making to optimize product design and performance, setting new standards in leak detection

- Aug. 2023 – Dec. 2023** **Dar Al-Handasah, Mechanical Engineer – Lebanon**
- Mastered Revit to design the MEP system for the Dar Al-Handasah building at the American University of Beirut
 - Collaborated on planning and executing MEP installations, enhancing efficiency and project timelines
 - Prepared coordination drawings and managed documentation to streamline project execution

- Jun. 2023 – Aug. 2023** **DLOC Biosystems, Engineering Intern – Lebanon**
- Engineered and documented a custom hand press machine, boosting manufacturing efficiency and reducing chip wastage by 50%
 - Led a successful Shark Tank application, securing \$50k funding and enhancing partnership potential
 - Collaborated with the chip manufacturing team to tailor machinery designs, ensuring optimal functionality and user satisfaction
 - Conducted performance analysis on new systems, resulting in a 40% increase in productivity

- Sep. 2022 – May 2023** **180 Degrees Consulting, Project Leader – Lebanon**
- Enhanced NGO client's data analysis processes, significantly boosting social media engagement and webinar attendance.
 - Initiated customer experience projects, leading to higher retention rates and increased organizational impact.

- Aug. 2021 – Jun. 2023** **American University of Beirut, Research Assistant – Lebanon**
- Conducted a profitability study for a biodiversity robot, reducing production costs by 50% through strategic design changes.
 - Led design and troubleshooting for robotic projects, enhancing functionality and reliability.

- Jun. 2020 – Aug. 2020** **Wazne Shop, Assistant Manager – Gambia**
- Supervised 20 employees to unload a shipment worth \$100,000 and planned the layout of these items
 - Pioneered a novel pricing system using an Excel sheet with price ranges, boosting sales by \approx 20%

EXTRA CURRICULAR ACTIVITIES & LEADERSHIP EXPERIENCE

- Sep. 2023 – Present** **Office of Internation Program, Mentor – Lebanon**
- Guided 7 international students with acclimatization to Lebanon and university-related support

- Jun. 2023 – Present** **Wall Street Prer Course, Certified Learner – Remote**
- Completed Wall Street Prep's Premium Package, mastering financial modeling and valuation

- Jul. 2022 – Present** **Te3li2a, Research Team Leader – Lebanon**
- Identified underprivileged communities to provide gently used clothing efficiently and equitably
 - Led a team of 4, partnered with a municipality, and facilitated clothing distribution to 100+ households

- Jul. 2023** **Global Challenge Lab 23, Team Leader– Remote**
- Led a 5-member team in Global Challenge Lab 2023, developing AI that cut energy use by 24%, placing 4th

- Apr. 2023** **IDEAS, Team Member– Lebanon**
- Secured 1st place in a glider competition, demonstrating teamwork and leadership within a 5-member team

SKILLS & INTERESTS

- Languages** Fluent in English and Arabic
- Skills** Microsoft Office (Excel, PowerPoint, Word) – Python – MATLAB – AutoCAD – Creo – Inventor – NI LabVIEW
- Interests** Football – Automotive Sports – Chess – Meditation – Reading – Mixed Martial Arts