

JAWAD DHEINI

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EDUCATION

American University of Beirut | *B.E. Computer Science and Engineering; B.S. Mathematics (in progress)* 2025 – 2029

- **GPA 4.16 / 4.00. Dean's Honor List every term.** Planned focus area: Theory and Algorithms. Pursuing coursework toward the Mathematics degree; the dual degree is not yet formally declared.
- Relevant coursework — **A+:** EECE 330 Data Structures and Algorithms, EECE 230 Introduction to Computation and Programming, MATH 201 Calculus and Analytic Geometry III, PHYS 211 Electricity and Magnetism, PHYS 212 Modern Physics. **A:** CMPS 211 Discrete Structures, MATH 219 Linear Algebra I, STAT 230 Probability and Random Variables, EECE 320 Digital Systems Design.

International College (IC), Beirut | *International Baccalaureate Diploma* 2022 – 2025

- **42 / 45**, with A in both Theory of Knowledge and the Extended Essay, written in Physics. Graduated one year early. HL Mathematics AA, Physics, Arabic B; SL Chemistry, Business Management, English A Language and Literature.

EXPERIENCE

Founder and Technical Lead | *Deafeat* Jul 2023 – Present

- Built a hardware device and machine-learning model that translate sign language to text and speech and back, enabling two-way communication between deaf and hearing users. Python, TensorFlow, OpenCV, MediaPipe.
- Led a six-person team; developed the model, the training pipeline, and the hardware integration alongside one other engineer.
- Copyright registered with the Lebanese Ministry of Economy; USPTO patent application in preparation. Recognized by NuVuX, a US innovation studio affiliated with MIT.

Founder | *Purpigoal* Sep 2025 – Present

- Decision engine for business analysis: scenario modeling, KPI tracking, and ROI and NPV sensitivity analysis.

Cofounder | *FindVolunteering* Jun 2025 – Present

- Volunteering platform matching NGOs and schools with volunteers; event management, QR attendance, analytics dashboards. Presented to the Lebanese Minister of Education; secured paid interest from the Chair of the Association of IB World Schools in Lebanon.

Software Engineering Intern | *ITXI (paid)* Jul – Sep 2023

- Developed web applications in React and Angular at age 15, at an application-development and IT consulting firm serving enterprise clients in the air-travel industry worldwide. Learned Agile methodology, planned and tracked work in Atlassian tools (Jira, Confluence, Tempo), and gained hands-on exposure to enterprise codebases and delivery practices.

LEADERSHIP AND ACTIVITIES

- **Technical Officer**, Google Developer Group, AUB, 2025–26. **Logistics Subcabinet Member**, Real Estate Club, AUB, 2025–26.
- **Cofounder, Computer Science Club** and **Cofounder, SAT Club**, International College — introduced peers to programming and ran sessions on problem solving and code review.
- Member: ACM Club, IEEE Club, Honor Society, Mathematics Student Society, Engineering Student Society, AUB.

AWARDS

- **1st Place, Individual — Math Olympiad**, AUST, 2023. Youngest competitor in the field by a full year. Also **2nd Place, Team**, finishing one point short of first.
- **3rd Place in Lebanon, Class — Mathématiques sans Frontières**, Académie de Strasbourg, 2023. Led the class team through all 13 problems.
- **ICAA Award**, IC Alumni Association, 2025 — full merit scholarship to AUB.
- **Drs. Ghaleb and Rima Daouk Science Award** (best original scientific project), **Mahmoud Abdul Baki Award** (academic excellence, leadership, and service), **Distinguished Scholar Award in Physics** (top two IB Physics students), **Social Entrepreneurship Award — International College**, 2025.
- **Distinguished Scholar Award**, International College, Grades 10 and 11 — awarded twice for sustained academic excellence.

SKILLS

Languages: Python, Java, C, C++, C#, JavaScript, TypeScript, SQL, SystemVerilog

Machine learning: PyTorch, TensorFlow, Keras, scikit-learn, OpenCV, MediaPipe, NumPy, Pandas, SciPy

Web and mobile: React, Next.js, Node.js, Express, Android (Java), React Native, PostgreSQL, MongoDB, Firebase, Supabase

Tools: Git, Linux, LaTeX, Jira, Confluence, Figma