

# Mohamad Awwad

Tel: +961 70 744 620 | [mma270@mail.aub.edu](mailto:mma270@mail.aub.edu) | Beirut, Lebanon

## EDUCATION

### American University of Beirut (AUB)

Sep 2021 – Graduating Spring 2025

- Bachelor of Science, Double Major in Computer Science and Applied Mathematics.
- Cumulative GPA: **3.7A/4.0**
- Best AWS Student Project: Winner recognized by Amazon for excellence in innovation
- Listed on the Dean's Honor List for academic excellence
- Winner of the Outlook, the university's newspaper writing Competition of AUB

### La Citee Culturelle

Sep 2019 – Jun 2021

- General Science Baccalaureate – 17.2/20
- Ranked 1/60 in my class and received a certificate of high distinction

## PROFESSIONAL EXPERIENCE

### 180 Degree Consulting, Consultant, Beirut

Sep 2024 – May 2025

- Assessed HR and payroll regulations in the UAE and Saudi Arabia to ensure Schedex complied with local labor laws
- Highlighted gaps in competitor offerings, such as advanced scheduling and residency tracking, to position Schedex competitively
- Proposed automation tools and customizable payroll features, reducing processing time by 30% and improving operational efficiency
- Built a payroll management system with real-time currency conversion and tax compliance, decreasing manual errors by 40%

### Amazon Web Services, Intern, Beirut

May 2024 – Sep 2024

- Designed and implemented a token-based authentication system, improving user data protection by 30%
- Developed a scalable backend using Django, handling over 10,000 user requests per day
- Created a predictive model using PyTorch and Terratorch, achieving 85% accuracy in forecasting locust breeding grounds, significantly aiding in crop protection efforts
- Built an interactive user interface with React.js, enhancing user experience and engagement by 40% through intuitive map displays and real-time updates

### American University of Beirut, Research assistant, Beirut

Sep 2023 – Jun 2024

- Optimized wildfire detection using UAV-IoT networks, achieving a 20% improvement in detection speed by enhancing UAV mobility and IoT device density configurations.
- Developed algorithms to cluster IoT devices and streamline UAV trajectories, minimizing overlap and reducing energy consumption by up to 30%.
- Enhanced the integration of IoT devices and UAVs for large-scale wildfire monitoring, cutting operational redundancy by 25% and improving coverage efficiency.

## EXTRACURRICULAR EXPERIENCE

### Faculty of Art and Sciences, Student Representative Committee, Treasurer,

Sep 2023 – Present

- Elected to the Student Representative Committee (SRC), boosted student participation in competitive programming by 20% and extended gym hours by 10 hours weekly, benefiting over 500 students

### Real Estate Club at AUB, Member at Large, Beirut

Sep 2023 – May 2024

- Coordinated events with Excelsa and Commercial Bank of Qatar, advancing three members to the bank's interview stage, and conducted real estate workshops, enhancing members' industry skills significantly

### Office of International Programs at AUB, Student Mentor

Sep 2023 – Dec 2023

- Committed to mentoring international students, helping them navigate their academic paths and organize trips, while fostering an inclusive and supportive community environment.

### Lebanese Red Cross, Facilitator, Beirut

Sep 2021 – Jun 2023

- Moderated events at Beirut Center, engaging over 300 individuals in constructive conversations, while contributing to the Lebanese Red Cross's Environment Program, resulting in a 15% increase in Beirut's recycling efforts

## SKILLS & PERSONAL

**Languages:** English (Fluent), French (Fluent), Arabic (Native), Italian (Elementary Proficiency)

**Tech tools:** Office Package, VS Code, Eclipse, GitHub, Git, MySQL

**Programing Languages:** Python, Java, C, C++, HTML, CSS, SQL

**Interests:** Basketball, Judo (Brown Belt), Nature Exploration, Horse Riding