

Lama Farhat

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Education

American University of Beirut

Beirut, Lebanon

Bachelor of Engineering in Computer and Communications Engineering

Languages

- **Arabic:** native proficiency
- **English:** full professional proficiency

Experience

Volunteering and Experience

- **Volunteer Coordinator, AUB Open Day**
 - Led team of 15+ volunteers in coordinating campus tours and information sessions for 200+ prospective engineering students and families
 - Streamlined volunteer operations and resource allocation, ensuring efficient event flow and positive attendee experience
 - Served as primary liaison between AUB Engineering faculty and prospective students, providing guidance on academic programs and admissions
- **Communication Manager, AUB DDD (Discuss, Debate & Discourse)**
 - Managed all external and internal communications for debate society with **40-50 active members**
 - Coordinated promotional campaigns for **10+ debate events**, increasing average attendance by **30-35%** over previous year
 - Developed content strategy for social media channels, growing follower base by **30-40%** and improving engagement rates
- **University Engagement Program 202x Cohort - Amazon Women in Engineering x WIE @AUB**
 - Completed a 3-day bootcamp on Product Management track, **awarded "Best Product Manager"** for product pitch and market analysis
 - Developed "AUB Marketplace" during a 2-month mentorship with the support of 2 Amazon mentors in technical and program management tracks
 - **Placed 3rd among 20+ teams** in final competition, presenting the project to a jury of Amazon leaders and MSFEA Accelerator Program
 - Gained proficiency in AWS, JavaScript, UI/UX design, GitHub, and agile product development cycles

Projects

Communication Application | Python, Linux, Socket Programming

- Built client-server chat application supporting real-time text messaging, file transfers, and voice message transmission
- Implemented dual connection protocols: TCP for reliable text communication and UDP for optimized media file sharing
- Integrated Linux security features and error-handling mechanisms to ensure connection reliability and data encryption

AUB Marketplace | JavaScript, AWS, CSS, HTML

- Designed and developed full-stack web platform enabling AUB students to buy, sell, and report lost university IDs
- Built responsive UI/UX across 5+ pages including product listings, user profiles, and search functionality
- Integrated ML-based recommendation system to match buyers with relevant listings
- Conducted user surveys with 100+ students, validating 78% expressed need for centralized campus marketplace

UniConnect | *Python, Django, React, TypeScript, Docker, Kubernetes, NGINX, Jenkins, JWT, REST APIs*

- Developed microservices platform connecting students with housing and roommates using Django REST Framework and React/TypeScript
- Architected and deployed 7 microservices on Kubernetes with NGINX Ingress Controller for centralized routing
- Implemented JWT authentication, role-based access control, and intelligent roommate matching algorithm with compatibility scoring
- Containerized all services using Docker and automated deployment with Jenkins CI/CD pipelines
- Built type-safe frontend with centralized API management, error handling, and responsive design

Competencies

Languages: Python, C++, JavaScript, Assembly (RISC-V), Verilog, HTML/CSS

Frameworks & Tools: Django, Docker, Jenkins, Kubernetes, Git, AWS, Linux, Figma

Development: VS Code, Visual Studio, Vivado, MPLAB IDE, Minikube, Ingress Controller

Additional Competencies: Project management, user research & testing, technical documentation, cross-functional team collaboration