

Haidar A. Yasmine

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Full-Stack Software Engineer · AI and Machine Learning, MEng Candidate

[linkedin.com/in/haidar-yasmine](https://www.linkedin.com/in/haidar-yasmine)

Full-stack engineer with three years of production experience building enterprise web platforms in JavaScript, Ember.js, Node.js, and React. Currently completing an MEng in artificial intelligence and machine learning at the American University of Beirut on a graduate fellowship, working in Python with PyTorch, TensorFlow, and Hugging Face, and looking to apply both sides of that background to AI driven products.

PROFESSIONAL EXPERIENCE

Full-Stack Software Engineer · eSIM Startup

August 2026 to Present

- Build and ship features for a consumer eSIM application on an ASP.NET Core 10 backend with a React frontend and PostgreSQL storage.
- Implemented Stripe payment flows covering checkout, plan purchase, and transaction handling.
- Introduced Redis caching on high traffic reads, keeping response times low as usage grows.

Mid-Level Full-Stack Software Engineer · gtlogic

Sep 2025 to Mar 2026

Antelias, Lebanon

- Owned end to end delivery of features on SIMON, Vimly's benefits administration platform covering quoting, enrollment, eligibility, billing, and payments.
- Rewrote the data access behind slow legacy endpoints as tuned SQL Server queries, cutting response times by roughly 60 percent on the heaviest requests.
- Added caching to repeated and expensive queries, removing redundant database load under peak enrollment traffic.
- Expanded automated test coverage across critical billing and eligibility paths, catching regressions before release.
- Worked directly with product and design to turn requirements into scoped technical plans, and resolved production incidents at their root cause.

Junior Full-Stack Software Engineer · gtlogic

Jul 2023 to Sep 2025

Antelias, Lebanon

- Built SIMON interfaces in Ember Octane with Ember Data over a REST adapter, backed by Node.js services on SQL Server.
- Developed Node services for scheduled eligibility syncs, premium billing and invoice runs, and census file import with validation.
- Integrated third party carrier and broker APIs, and built PDF generation for invoices and enrollment confirmations.
- Implemented authentication and role based permissions, and document storage and retrieval for member records.
- Designed REST and GraphQL endpoints for querying and mutating application data, applying established architectural patterns throughout.

R&D Intern · IDS

Jul 2022 to Sep 2022

- Built a full-stack management system in ASP.NET on a PostgreSQL database, covering both the interface and the data layer.

Telecom Intern · Dar Al-Handasah

Jul 2022 to Aug 2022

Beirut, Lebanon

- Trained in the installation and commissioning of IoT devices across a building.
- Produced fire alarm and structured cabling network layouts for an airport terminal and a residential development.

Software Intern · Monty Mobile

Dec 2021 to Mar 2022

Beirut, Lebanon

- Built a Student Management System in .NET Core 6 with a React frontend and PostgreSQL storage.
- Decoupled its services with RabbitMQ running in Docker as the message broker.

EDUCATION

MEng, Artificial Intelligence & Machine Learning

Jan 2025 to Spring 2027

American University of Beirut. Admitted to the Graduate Fellowship and Assistantship Program.

BE, Computer and Communications Engineering

Sep 2018 to Jun 2023

American University of Beirut, Beirut, Lebanon. Graduated with distinction, GPA 82.5/100. Full USAID scholarship recipient.

SKILLS

CORE	JavaScript, Ember.js (Octane), Node.js, React, Microsoft SQL Server.
AI AND ML	Python, PyTorch, TensorFlow, Hugging Face.
ALSO	REST APIs, GraphQL, PostgreSQL, Redis, Docker, RabbitMQ, Next.js, Django, C++, ASP.NET Core, Git.
LANGUAGES	Arabic (native), English (professional working proficiency), French (elementary).

SELECTED PROJECTS

ChartLM. Evaluation of vision language models on chart question answering, benchmarking Phi-3.5-Vision, Qwen2.5-VL, and InternVL2.5 on how reliably each reads values from bar, line, and pie charts, and characterising where their answers break down. Graduate research.

Ball Levitation Control System. Closed loop system holding a ball at a target height in an air stream, using a vertical blower as actuator and a distance sensor for feedback. Tuned a PID controller to modulate fan speed against gravity and aerodynamic non-linearities. Control systems course.

Supermarket Shopping System. Django storefront with role separated access, giving customers an ordering flow and vendors inventory management over the same catalogue. Final year project.

Library Management System. Django application tracking borrowing and return state per title, with catalogue management for librarians. Nov 2021.

File Transfer System. Python client and server implementing a socket level protocol for chunked file exchange. Class project.

TEACHING & VOLUNTEERING

Physics Teacher • MMKN Organization

Sep 2021 to Jun 2023

Prepared Grade 8 and 9 students across Lebanese public schools for their national physics examinations.

Arduino Trainer • Jibchit Public High School

Apr 2022

Delivered an introductory programming course to baccalaureate students using Arduino.

English & Math Tutor • Orphan Welfare Society, Saida

Feb to Apr 2019

Tutored residents in foundational English and mathematics.

Tutor • Building Mindsets Campaign

Sep 2019 to Mar 2020

Taught Arabic, English, and mathematics to Syrian refugee students.

CERTIFICATIONS & ACTIVITIES

COURSES	Backend Web Development, Re:Coded and Jonge Democraten Team MENA (2021). Cisco Networking Academy: IT Essentials (2019), Introduction to Networks, Routing and Switching Essentials.
WORKSHOPS	Problem Solving (2019), Public Speaking (2019), Time Management (2020), Project Management.
DEBATE	Erasmus Virtual Debate (May 2019) and National Debate Competition (Fall 2019).
SCOUTING	Completed the Wood Badge leadership course with the Lebanese Scouting Federation (Jul 2022).