

Omar Allouch

ENGINEERING STUDENT - Data Science & Computer Science

Looking for a 6-month internship in data science and/or computer science starting in April 2025.

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Education

École Nationale Supérieure des Mines de Saint-Étienne 2023 - 2025, Saint-Étienne, France

Master in Data Science and Computer Science

- Data science major in 2nd year and computer science major in 3rd year.
- Hands-on labs on GitHub: [data science](#), [computer science](#), [big data](#).

Lebanese University 2019 - 2025, Tripoli, Lebanon

Master in Telecommunications Engineering

Professional Experience

VIAVI Solutions / Machine Learning

Developer Internship - Full time June 2024 - September 2024, Saint-Étienne, France

- Developing an ML model in an agile environment.
- Collaboration with internal teams and management to meet technical needs.

Poyesis / Full Stack Developer

Senior - Part time October 2022 - July 2023, Tripoli, Lebanon

- Web and mobile application development in an agile environment.
- Coordination with customers to meet their needs.

Junior - Full Time October 2021 - October 2022, Tripoli, Lebanon

- Web application development in an agile environment.
- Collaborate with UI/UX designers to build modern apps.
- Software maintenance and urgent bug response in production environments.

Vagary / Full Stack Intern

August 2021 - September 2021, Tripoli, Lebanon

- Understand the basics of the Laravel Framework (PHP) and apply them to create a dashboard.

Professional Projects

- **AI/ML for end-of-fiber detection** – June 2024 - August 2024: Development and integration of a machine learning model for end-of-fiber detection. *Tools used: Python, PyTorch, TensorFlow, Kedro, ONNX...*
- **E-commerce mobile app** – June 2022 - June 2023: Development of an e-commerce mobile app (Reedoo). *Tools used: React Native, NodeJS, AWS, PostgreSQL...*
- **B2B web application** – October 2021 - December 2021: Development of a B2B web application for logo printing on goods (Rue des goodies). *Tools used: NextJS, NodeJS, PostgreSQL...*

Academic Projects

- **Image Processing** – December 2023: Skin Lesion (Melanoma) Detection Model Using the ISIC Dataset. *Tools used: Python, TensorFlow, PyTorch...*
- **Machine Learning** – May 2021: Model to predict car prices. *Tools used: Python, TensorFlow, sci-kit...*
- **Database** – April 2023: Design of a database for a project management tool, accompanied by a web interface to perform various operations on the data. *Tools used: MSSQL, Typescript, NextJS, tRPC...*

IT Skills

Python (PyTorch, TensorFlow, Sci-Kit Learn, Pandas, TensorFlow), SQL and NoSQL, Linux (WSL, Arch, Ubuntu, Debian), web development (JS, TS, HTML, CSS...) and libraries (NodeJS, ReactJS, NextJS, NestJS...), REST API and GraphQL, mobile development (React Native), cloud (AWS, Google Cloud), version control (Git, GitHub).

Languages

- Arabic (Mother tongue)
- English (C1 - IELTS 8.0)
- French (B2 - DELF 71)