



Curriculum vitae

Software Engineer Trainee

Personal details



Omar Ziyad AZGAOUI



omar.azgaoui@epfl.ch



+41767511427



Route de la Chocolatière 29A
1026 Echandens, Lausanne



azogoat.github.io/Portfolio

Languages

English ●●●●●

French ●●●●●

Arabic ●●●●●

German ●●●●●

Chinese ●●●●●

Skills

Java ●●●●●

React JS ●●●●●

Python ●●●●●

HTML ●●●●●

CSS ●●●●●

JavaScript ●●●●●

Professional experience

Aug 2025 - Present

Software Developer

LiGHT Lab - Laboratory for Intelligent Global Health and Humanitarian Response Technologies, Lausanne, Switzerland

Working on the MOOVE (Massive Open Online Validation & Evaluation): a platform for evaluating the safety and efficacy of medical LLM's:

- Made Database transition and synchronization between Firebase and Convex
- Simplified Database schema
- Streamlined contributions and reviews management workflows

Sep 2025 - Present

ML Engineer

EPFL AI Team, Lausanne, Switzerland

Created the project dataset and implementing the pose extraction and motion comparison components of the MATCH project pipeline, aimed at analyzing dance videos and generating LLM-powered feedback reports

Education

Sep 2023 - Present

Computer Science - BSc

EPFL, Lausanne

Sep 2016 - Jul 2023

High school and Middle school

Lycée Descartes, Rabat

Graduated with highest honors

Personal Projects

Available on my GitHub and portfolio website:

- **ReCHor (Java)**: Transport routing engine using Connection Scan Algorithm
- **lcMonGame (Java)**: Turn-based mini-RPG inspired by Pokémon with GUI
- **Portfolio (HTML, CSS, JS)**: Responsive portfolio site with analytics
- **Hangman (Python)**: Graphical Hangman game with levels and scoring

Achievements

- **DESMNU (2019–2023)**: Delegate, trainer, awarded *Best Delegate* (2023)
- **Student Union (2020-Present) - AGEPOLY, ÉcoDescartes & S4S (Studens for Students)**: Event organization, projects and bold initiatives
- **Competitions**: Mathematics Olympiads, French National Exam
- **Sports**: Podiums in climbing (2016–2020), volleyball (2nd place UNSS 2018), aquathlon (2nd individual, 3rd team)

References

Mary-Anne (Annie) Hartley

Professor | Director of LiGHT [MD PhD MPH], Lausanne, Switzerland

+41766221466, mary-anne.hartley@epfl.ch