

Güneş Başak Özgün, Lausanne, Switzerland (Permit B holder)

Website: gozgun.github.io | **LinkedIn:** [gunes-ozgun](https://www.linkedin.com/in/gunes-ozgun) | **Github:** [gozgun](https://github.com/gozgun) | **Email:** gunes.ozgun@epfl.ch

Skills

Technical: C++, Python, HTML, CSS, JavaScript, TypeScript, SQL (beginner), Scala (beginner)

Experience in: Agile, Jira, Git, Django, Docker, PostgreSQL, Hugging Face, AWS

Language: English (TOEFL 109/120), French (B1), Turkish (Native)

Education

École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland Aug 2024 (Expected)

MSc, Computer Science and Minor in Management Technology and Entrepreneurship

Relevant courses: Applied Data Analysis, Internet Security and Privacy, Leading and Managing in a Global Context, Innovation Management, Machine Learning

Sabancı University, Istanbul, Turkey 2021

BSc, Computer Science & Engineering. GPA: 3.96/4, Rank: 3/133

BSc, Mechatronics Engineering. GPA: 3.95/4, Rank: 2/39

Thesis: Application of Autoencoder Neural Networks for CFD Problems

Relevant courses: Cryptography, Computer Networks, Software Engineering, Database Systems

Work Experience

AXA Group Operations, Lausanne, Switzerland Mar 2024 - Ongoing

Master Thesis Student - Group Emerging Tech & Data - AI Research Team

• Fairness and ethics audit of Machine Learning systems using **Large Language Models**.

KITRO, Zurich, Switzerland Sept 2023 – Feb 2024

Software Developer Intern

• Improved monitoring and alarm system following **Agile** methodologies, involving frontend implementation with **ReactJS**, **TypeScript** and backend implementation with **Python**, **PostgreSQL**, and **AWS Lambda**.

• Wrote technical and functional documentation on the application features on **Confluence**.

Procter & Gamble (P&G), Istanbul, Turkey Jul 2023 – Sept 2023

IT Intern – Marketing Technology

• Developed **SQL** queries to enhance data accuracy on **Google BigQuery**, achieving a **40% improvement** for Turkey and a **4% overall** increase for Europe dashboards, aiding in strategic decision-making.

• Conduct comprehensive market research on cashback solutions and best practices for enhancing P&G applications.

• Prepared reports and presentations to summarize findings and insights for key stakeholders and management.

École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland Sept 2022 - Jan 2023

Student Assistant in CS411-Digital Education

• Assisted students with their project work, course concepts and exercises.

Denebunu, Istanbul, Turkey Feb 2021 - Jun 2021

Software Development Intern

• Resolved 39 issues and fixed 7 bugs by using **JavaScript**, **Python**, **HTML**, **Git** and **Jira** daily.

• Designed and programmed the Press page to display news about Denebunu which has more 3 million members.

Carnegie Mellon University, Pittsburgh, PA, USA Jun 2019 - Aug 2019

Summer Research Intern at Zoom Lab

• Built a 3D printed boat in millimeter scale using **SolidWorks** and **MATLAB** that works with Magnetohydrodynamics propulsion.

Selected Projects

École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland
Systems for Data Management and Data Science Course Project

Feb 2023 - May 2023

- Analyzed movie-ratings and user reviews data with **Apache Spark** and **Scala**.
- Built a recommender system for users with Locality-Sensitive Hashing & Collaborative Filtering.

École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland
Semester Project at Machine Learning & Optimization Lab

Feb 2022 - Jul 2022

- Built the front end with **Vue** and **HTML** to make collaborative learning more accessible to non-specialists by simplifying user interface.
- Designed an intuitive **UI** of the website using **Figma**.

Sabancı University, Istanbul, Turkey
Software Engineering Course Project - Cook It Yourself

Feb 2021 - Jun 2021

- Built web and mobile applications for a food delivery service using **Django**, **React**, **HTML**, **JavaScript**, **SQLite**, **Firebase** and **Recombee** using **Agile & Scrum** framework.
- Handled **front-end engineer**, **product manager** and **ScrumMaster** roles in a team of five on a rotation basis.

Voluntary Work

LauzHack, Lausanne, Switzerland
Marketing and communication team & Co-Vice President

May 2023 - present

- LauzHack is a student-run hackathon and workshop organizer at EPFL.
- Managed LauzHack's presence on Telegram, Discord, LinkedIn and Instagram.

Interests

Playing piano, reading mythology books, sailing, and creating new recipes.