

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

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## Skills

**Technical:** C++, Python, HTML, CSS, JavaScript (beginner), 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 Sept 2024 (Expected)

*MSc, Computer Science and Minor in Management Technology and Entrepreneurship*

**Relevant courses:** Applied Data Analysis, TCP/IP Networking, 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, Data Structures

## Work Experience

**AXA Group Operations**, Lausanne, Switzerland

Feb 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 and backend implementation with **Python, PostgreSQL, AWS Lambda** and **S3 services**.

- 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*

- Conducted **SQL** queries to boost data accuracy on **Google BigQuery**, resulting in **40% accuracy**

- **improvement** for Turkey's data and **4% overall accuracy improvement** for regional dashboard used for strategic decision making.

- Investigated industry-leading practices on cashback solutions and best practices for enhancing P&G applications.

**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 Magneto-hydrodynamics 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 UX 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**.
- 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.