Hey, I am Efe. I use this website as a protfolio and blog for my projects, awards, publications and more...

2024 - Present | École Polytechnique Fédérale de Lausanne 🇨🇭

EPFL Image

I have been admitted to EPFL for the program MSc in Communication Systems under the IC department as an **Excellence Scholar**. I have a research and academic focus on Machine Learning and Signal Processing related topics with a spesific focus on images in 2D and 3D.

- Completed **Signals, Images and Systems Specialization**. Currently have a **5.9/6.0 GPA**
- Conducting research under the **BIG (Biomedical Imaging Group)** directed by Michael Unser. Working on multiresolution optimization schemes for reconstruction in ptychography imaging.

2020 - 2024 | Bilkent University Electrical and Electronics Engineering 🇹🇷

Bilkent Image

I graduated from the Electrical and Electronics Engineering Department at Bilkent University with a **GPA of 3.95/4.0**, ranking **2nd** among 180 students in the cohort of 2024. Throughout my undergraduate education, I developed skills in Machine Learning, Deep Learning, and Signal Processing methods for images and signals.

Research and Experience

- Joined **ICONLAB** for a year and researched topics related to deep learning applications in medical imaging, focusing on x-ray images and MRI.
- Conducted research on visible light positioning (VLP) under the presence of intelligent reflective surfaces (IRS) under the supervision of **Prof. Dr. Sinan Gezici**.
- Published the journal paper **IRS Aided Visible Light Positioning with a Single LED Transmitter** on *Elsevier Digital Signal Processing* 🎉

Clubs and Societies

- Social Awareness Projects: Joined educative activities with children from underdeveloped schools in Ankara.