

# Erdem Önal

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## Education

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**Université Jean Monnet**, Saint-Étienne, France Sept 2025 – Present

**Master of Science in Computer Science**

Track: Cyber-Physical Systems: AI and IoT (CPS2), joint program with Mines Saint-Étienne

**Işık University**, İstanbul, Turkey Sept 2021 – July 2025

**Bachelor of Science in Computer Science Engineering**

GPA: 3.2/4.0 (*Cum Laude*, Department Valedictorian)

**Mälardalen University (Erasmus+ Exchange Semester)**, Västerås, Sweden Sept 2024 – Jan 2025

**Bachelor of Science in Computer Science**

GPA: 3.8/4.0

Completed three postgraduate courses: Industrial Systems in Cloud Computing (DVA500), Software Verification and Validation (CDT414), Safety Critical Systems Engineering (DVA437)

## Experience

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**Research Intern**, Mälardalen University – Västerås, Sweden Oct 2024 – Jan 2025

- Developed a database management tool for the nuScenes dataset at the Heterogeneous Systems Research Group, with PostgreSQL and a GUI for CRUD operations and custom SQL queries.
- Built containerized Python data pipelines with Docker and REST API to manage autonomous driving datasets for AI training.

**Full-Stack Developer Intern**, Etiya – İstanbul, Turkey July 2024 – Aug 2024

- Created a React.js browser extension to generate and export random test data for Türk Telekom OMNI QA tasks.
- Implemented an Agile project management tracker with Java Spring Boot to analyse team progress.

## Languages

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**Turkish:** Native | **English:** C1 Advanced proficiency | **French:** A1 Basic proficiency