Erdem Önal

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Education

Université Jean Monnet and **École Nationale Supérieure des Mines**, Saint-Étienne, France
Sept 2025 – Present

Master's in Computer Science
Track: Cyber-Physical and Social Systems: Artificial Intelligence and Internet of Things

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

Bachelor's degree in Computer Science
Cumulative GPA: 3.80/4.00
Completed three postgraduate courses: Industrial Systems in Cloud Computing (DVA500), Software Verification and Validation (CDT414), Safety Critical Systems Engineering (DVA437)

Işık University, İstanbul, Turkey
Sept 2021 – July 2025

Bachelor's degree in Computer Science Engineering
GPA: 3.2/4.0 (Cum Laude)

Experience

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, Türkiye
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

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