

Erdem Önal

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Education

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 (<i>Cum Laude, Department Valedictorian</i>)	
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

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.	
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.	

Research Interests

Cyber-Physical Systems · Knowledge Representation · Multi-agent Systems · Safety Critical Systems

Languages

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