

Kerem Kılıç

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Focused on multi-agent decision-making, control theory, and AI.

Education

ETHZ , MSc in Electrical Engineering and Information Technologies	Sept 2024 – Present
• Specialization in Systems, Control and AI	
EPFL , BSc in Electrical and Electronics Engineering	Sept 2021 – July 2024
• Specialization in Information and Communication Technologies	
Lycée International des Pontonniers de Strasbourg , French General Baccalaureate	Sept 2018 – July 2021
• Graduated with <i>Mention Très Bien</i> (Very High Honours)	

Experience

Teaching Assistant , ETHZ – Zürich, ZH	Sept 2024 – Jan 2025
• VLSI 1: HDL-based Design for FPGAs (Dr. F. K. Gürkaynak)	
Engineering Intern , Arke Telekom – Ankara, TR	Jul 2024 – Aug 2024
• Provided RF module path loss analysis consultancy for a communications company	
• Worked on wireless <i>ad-hoc</i> network implementations	
• Designed and implemented an application-layer protocol for distributed systems	
Teaching Assistant , EPFL – Lausanne, VD	Sept 2023 – Jan 2024
• Logic Systems (Dr. A. Schmid)	
• Electromagnetics I: Transmission lines and waves (Prof. R. Fleury)	

Projects

Hardware and Machine Learning for Enhancing Wi-Fi Radar with Digital Cancellation (5.75/6) – Bachelor's Thesis , EPFL	2024
Caz Yapma , Video Game (5.5/6) – <i>Embedded Systems</i> , EPFL	2024
Distance-controlled Synthesizer (6/6) – Microcontrollers and Digital Systems , EPFL	2023
Alarm Clock with a 32-step Music Sequencer (6/6) – Logic Systems , EPFL	2022

Key Skills

Programming Languages: Python, MATLAB, C++, C, ASM, Object-oriented programming
Hardware Description Languages: VHDL, SystemVerilog
Data Science and Machine Learning: Pandas, PyTorch
Technologies: Xilinx Vivado, GNU Radio, Git, LaTeX

Languages

Turkish: Mother tongue
French: C2
English: C1