

EDUCATION

- **Bogazici University** (GPA: 3.95/4.00, Class Ranking: 3rd/127) Sep 2020 – Jan 2025
B.S., Computer Engineering
- **University of Texas at Austin** Jan 2023 – May 2023
Exchange Student, Electrical and Computer Engineering

EXPERIENCE

- **ETH Zurich** Oct 2024 - Present
Research Intern (Supervisor: Prof. Onur Mutlu)
 - Working on return address stack optimizations for functional programming languages
- **Ecole Polytechnique Federale de Lausanne (EPFL)** Jun 2024 - Aug 2024
Research Intern (Supervisor: Prof. Babak Falsafi)
 - Maintained QFlex, a set of full-system cycle-level trace-driven and execution-driven simulators
 - Developed a test suite for the functional model decoder that discovered bugs in 23 instructions
 - Fixed several critical bugs in the timing model including one that corrupted physical registers
- **University of Texas at Austin** Sep 2023 - May 2024
Senior Design Project (Supervisor: Prof. Yale Patt)
 - Designed an out-of-order RISC-V core from scratch in structural-level Verilog
 - P6-style implicit register renaming, back-to-back dependent instruction execution
- **Bogazici University** Sep 2023 - Present
Teaching Assistant (Courses: Digital Systems, Computer Organization)
 - Instructed 100+ students in weekly hardware and software labs, answered their questions
- **University of Texas at Austin** May 2023 - Jul 2023
Research Intern (Supervisor: Prof. Sandeep Chinchali)
 - Investigated an efficient collaborative sampling algorithm for robotic fleet training
 - Conducted experiments to evaluate our proposed algorithm and the baselines
 - Wrote key sections of the main paper, multiple appendix sections, and rebuttals
 - Presented our paper with co-authors during a poster session at the conference

PUBLICATIONS

- **Fleet Active Learning: A Submodular Maximization Approach**
Oguzhan Akcin, Orhan Unuvar, Onat Ure, Sandeep P. Chinchali
7th Annual Conference on Robot Learning (CoRL 2023), Atlanta, USA

HONORS & AWARDS

- Selected for \$60,000/year Fulbright Master's scholarship but turned down the offer to apply for PhD
- First place award in the UT Austin ECE Spring 2024 Honors Senior Design course out of 33 projects
- Three-month fellowship for Summer@EPFL 2024 (top 1.6% of ~5,000 applicants)
- uArch workshop travel grant for MICRO 2024 (given only to 15 students that year)
- Student travel grant for CoRL 2023 (given only to 10 students that year)
- 15th place among 2.5 million students (top 0.0006%) in the Turkish university entrance exam

SKILLS

- Topics: Processor Microarchitecture, Computer Architecture Simulation, RTL Design
- Languages: Bash, C, C++, Python, SystemVerilog, ARM and RISC-V assembly
- Tools: UNIX, Git, GDB, Vivado, ModelSim, QEMU, Intel Pin, FreePDK-45nm, OpenRAM