

MEHMET ENES ERCIYES

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EDUCATION

Koç University <i>B.Sc. in Computer Engineering, Senior, Full Merit Scholarship</i>	Istanbul, Turkey 2018 – 2023
Koç University <i>Double Major in Electrical and Electronics Engineering</i>	Istanbul, Turkey 2020 – 2023
Koç University <i>Track in Global Learning & Leadership Program</i>	Istanbul, Turkey 2020 – 2023
GPA: 3.93/4.00 <u>Transcript</u> Honors: Vehbi Koç Scholar Award for 5+ semesters(+3.5 GPA)	

INTERNSHIP & RESEARCH EXPERIENCE

Koç University Autonomous Vision Group <i>End-to-End Autonomous Driving</i> <ul style="list-style-type: none">Working on training RL agents to successfully drive a car in CARLA Leaderboard Challenge with <u>Dr. Fatma Güney</u> and <u>Dr. Barış Akgün</u>Researching and creating encoder models for better state representations used in RL training on PyTorchWriting and testing Python code to build data flows & simulator APIs	Jul. 2021 – Present
Koç University <i>Undergraduate Teaching Assistant</i> <ul style="list-style-type: none">Worked as a teaching assistant in three courses: COMP 301 - Programming Language Concepts, COMP 132 - Advanced Programming, COMP 106 - Discrete Maths for CSSupplemented computing fundamentals & computer science background	Feb. 2019 – Present
SPARK Autonomous Car Team <i>Co-Founder & Team Captain ROS, C++, Python, PyTorch, OpenCV, PCL, SVL Simulator</i> <ul style="list-style-type: none">Built a full-scale autonomous car from scratch by raising about 15.000\$ sponsorshipCreated and wrote tests for the main code base of an autonomous car using Python and C++ with ROSCreated ML solutions from data collection to deploying on object detection and lane detection stackWorked with BDD100K and TUSimple datasets for deep learning tasksCreated and managed Git repositories and workflows	Jan. 2020 - Sep. 2021
Barcelona Supercomputing Centre <i>Summer Intern</i> <ul style="list-style-type: none">Trained DNN models on distributed GPUs and pruned for running them on edge devicesUsed MPI and Horovod to run distributed GPU trainings.	Jul. 2021 – Aug. 2021
Koç University Intelligent User Interfaces Lab <i>AI Assisted PowerPoint Designer</i> <ul style="list-style-type: none">Created a PowerPoint add-in to integrate sketch recognition technologies using JavaScript, Office.js and Node.jsDesigned Mongo database systems and deployed to Amazon AWS	Dec. 2020 – Jun. 2021
Amadeus IT Services <i>Software Engineer Intern</i> <ul style="list-style-type: none">Created Scrumier , a tool for easier work log entry to JIRA and visualizing sprint data betterCreated backend, frontend, database and deployed to Google Cloud by containerizing microservices	Sep. 2020 – Dec. 2020

PROJECTS

World on Rails(Reproduction) RL, IL, CARLA, Julia, Knet <ul style="list-style-type: none">Reproducing ICCV 2021 paper "Learning to Drive from a World on Rails" on CARLA using Julia and Knet as a Deep Learning course project	Oct. 2021 – Present
Introduction to AI Projects Python <ul style="list-style-type: none">Implemented Berkeley's CS188 in my course that included: Q-Learning Agent from scratch and Hidden Markov Models	Oct. 2020 - Jan.2021

FELLOWSHIPS & AWARDS

Stanford University Hasso Plattner Institute of Design (d.school) <i>University Innovation Fellow</i> <ul style="list-style-type: none">• After a design thinking process, created a comprehensive calendar portal for events and courses called KULendar• Created a community of fellow innovators to aid in project implementations and foster innovative culture on campus	Jun. 2020 – Jun. 2021
Teknofest, Robotaxi Full-Scale Autonomous Car Contest <i>SPARK Team – One of the 4 teams that completed the race track</i>	Sep. 2021
Yapı Kredi Technology, Hack the Bank Hackathon <i>1st Prize Recipient</i>	Feb. 2021
Teknofest, Robotaxi Full-Scale Autonomous Car Contest <i>SPARK Team – 1st Place Among 42 Other Universities in Preliminary Design & Simulation Phase</i>	Apr. 2020
Koç University <i>Full Merit Scholarship - 178th out of 2 million students in university placement exam</i>	Aug. 2018

EXTRACURRICULAR EXPERIENCE

KU AI and Robotics Society(AIRS) <i>Co-Founder & President</i> <ul style="list-style-type: none">• Founded a society to promote and encourage creating projects in AI and Robotics• Founded SPARK Autonomous Car teams	Oct. 2019 – Jun. 2021
Koç University Business Club <i>Board Member</i> <ul style="list-style-type: none">• Organized 21 career-related workshops in Business Trip, one of the biggest university career events in Turkey with its 500+ participants and 250+ crew members which satisfied every participant according to feedback surveys	Oct. 2018 – Jun. 2020
Koç University Debate Club <i>Member</i> <ul style="list-style-type: none">• Two times quarter-finalist in nation-wide tournaments, competed in an international tournament in Netherlands	Oct. 2018 – Jun. 2019

TECHNICAL SKILLS

Languages: Python, C++, MATLAB, Java, JavaScript, Scheme(Lisp)
Frameworks: ROS, Simulink, Node.js, Vue.js, Spring Boot
Libraries: PyCharm, Open CV, NumPy, Matplotlib
Developer Tools: Jupyter, Git, Docker, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Jira