Giray COSKUN

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EDUCATION

APR 2024-MAR 2026	**TECHNICAL UNIVERSITY OF MUNICH** *Master of Science* in INFORMATICS
FEB 2018-JUNE 2023	**SABANCI UNIVERSITY** *Bachelor of Science* in COMPUTER SCIENCE & ENGINEERING *Double Major* in Economics, *Minor* in Mathematics *GPA*: 3.78/4 *Academic Scholarship*: Full Tuition Waiver Erasmus in UPPSALA UNIVERSITY (FEB 2020 - JUNE 2020)

RESEARCH PROJECTS

Sep 2022 - June 2023	**Kidney Exchange Problem via Logic Modelling** Modeled Kidney Exchange Problem both as a Constraint-Satisfaction problem via Google OR Tools and in Answer-Set Programming Supervised by Prof. Dr. Esra Erdem
Mar 2021 - Jan 2022	**Using Unified Combinatorial Interaction Testing for MC/DC Coverage** Modeled MC/DC testing criteria to Unified-Combinatorial Interaction Testing Tool to generate minimum test cases Supervised by Prof. Dr. Cemal Yilmaz
Sep 2021 - Feb 2022	**Unsupervised SSVEP Signal Classification** Developed a deep learning model with unsupervised strategy for SSVEP based Brain-Computer Interface Speller Supervised by Prof. Dr. Huseyin Ozkan
Sep 2019 - June 2020	**A Combinatorial Interaction Testing-Based Daily Build Process** Developed strategies to generate test cases for Daily-Build Process to obtain t-way Coverage under duration and size constraints Supervised by Prof. Dr. Cemal Yilmaz

WORK EXPERIENCE

Oct 2023 - Apr 2024 REDROSE TECHNOLOGY	**DevOps Engineer** Deployment of Tomcat Applications & Dockerization of Services via AWS ECS
June 2022 - Oct 2022 SKYLOOP CLOUD	**AWS Consultant** Consulting on AWS Cloud Migration Worked with AWS Kinesis, EC2, S3, Amplify and Sagemaker

June 2021 - Dec 2021 MIGROS E-COMMERCE	**Software Developer in Operation Expenditures Team** Developed microservices in JAVA 16 & 17 with SPRING FRAMEWORK Deployed via AWS on EC2, RDS and MSK. Worked on operational expenditure optimization focused on collection and delivery of goods.
May 2021 - June 2021 HAVELSAN	**Computer Engineer Intern** Implemented mission planning algorithm based on GENETIC ALGORITHMS and CONSTRAIN-SATISFACTION. Application developed in Python and Google-OR-Tools API
Mar 2021 - Dec 2021 SPIKY START-UP	**Software Developer & Devops Engineer Intern** Developped a machine learning inference production pipeline via AWS SERVERLESS ARCHITECTURE and Python. Managed AWS services(ECS, ECR, Cloudwatch Cognito, Amplify).
Sep 2021 - Jan 2022 SABANCI UNIVERSITY	**Learning Asistant in Programming Languages (CS305)** Provided office hours and tutorials about LINUX, FLEX, BISON and SCHEME. Course taught by Prof. Dr. Husnu Yenigun

PUBLICATIONS

CIT-daily: A Combinatorial Interaction Testing-Based Daily Build Process

- Accepted at Journal of Systems and Software

Using Unified Combinatorial Interaction Testing for MC/DC Coverage

- Accepted at ICWT 2022

SKILLS

Language Skills:	ENGLISH (TOEFL SCORE:110), GERMAN (A2), TURKISH (Native)
Technical Skills:	Python (Flask, FastAPI) Java (Spring Framework) AWS (Solution Architect Certified)

INTERESTS AND ACTIVITIES

Since Feb 2024	RUNNING
Since Jan 2019	SCUBA DIVING - 3-star CMAS diver & Bronze Lifeguard
Since Jan 2018	OUTDOOR SPORTS - Trekking, Camping & Orienteering