Giray COSKUN

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EDUCATION

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
Related Coursework: ARTIFICIAL INTELLIGENCE, DISTRIBUTED SYSTEMS, KNOWLEDGE REPRESENTATION & REASONING

FEB 2020-JUNE 2020 | **UPPSALA UNIVERSITY**
Erasmus Exchange Program in Department of INFORMATION TECHNOLOGY

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

June 2022 - Present 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** Developped 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** Developed 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), TURKISH (Native)
Technical Skills:	Python (Flask, FastAPI) Java (Spring Framework) AWS (Solution Architect Certified)

Interests and Activities

Since Jan 2019	SCUBA DIVING CLUB - 2-star CMAS diver & Bronze Lifeguard
Since Jan 2018	OUTDOOR SPORTS CLUB - Trekking, Camping & Orienteering
Sep 2017 - June 2019	THEATRE CLUB - Actor & Festival Coordinator