

# Giray Coskun

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## EDUCATION

APR 2024-MAR 2026	TECHNICAL UNIVERSITY OF MUNICH <i>Master of Science</i> in INFORMATICS
FEB 2018-JUNE 2023	SABANCI UNIVERSITY <i>Bachelor of Science</i> in COMPUTER SCIENCE & ENGINEERING <i>Double Major</i> in Economics, <i>Minor</i> in Mathematics GPA: 3.78/4 <i>Academic Scholarship</i> : 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 <a href="#">Prof. Dr. Esra Erdem</a>
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 <a href="#">Prof. Dr. Cemal Yilmaz</a>
Sep 2019 - June 2020	A Combinatorial Interaction Testing-Based Daily Build Process Developped strategies to generate test cases for Daily-Build Process to obtain t-way Coverage under duration and size constraints Supervised by <a href="#">Prof. Dr. Cemal Yilmaz</a>

## WORK EXPERIENCE

Oct 2023 - Apr 2024 REDROSE TECHNOLOGY	Software Engineer Development and Deployment of an ERP Application for NGOs Dockerization of Services via AWS ECS
June 2022 - Oct 2022 SKYLOOP CLOUD	Cloud Engineer Intern Consulting on AWS Cloud Migration Worked with AWS Kinesis, EC2, S3, Amplify and Sagemaker
June 2021 - Dec 2021 MIGROS E-COMMERCE	Software Developer Intern 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
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 <a href="#">Prof. Dr. Husnu Yenigun</a>

## PUBLICATIONS

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*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](#)

*Unsupervised Adaptation of DNN for Brain-Computer Interface Spellers*

- Accepted at [SIU 2022](#)

## SKILLS

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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

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