

Giray Coskun

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Education

Technical University of Munich
Master of Science in Computer Science

April 2024 – 2026
Munich, Germany

Sabanci University
Bachelor of Science in Computer Science

Sept 2017 – June 2023
Istanbul, Turkey

- With Double Major in Economics and Minor in Math
- GPA: 3.66/4

Skills

Languages: Python, Java, Go, SQL

Technologies: AWS (*Associate Solution Architect*), Docker, Linux, Spring, Flask, FastAPI

Experience

Software Engineer
RedRose Technology

Istanbul, Turkey
Sept 2023 – April 2024

- Worked on development and deployment of Java ERP applications for more than 200 NGOs.
- Developed automated CI/CD pipelines for application deployments.
- Containerized applications via Docker to ensure portability.
- Worked with Java, Python, Docker, AWS and Linux.

Cloud Engineer Working Student
Skyloop Cloud

Istanbul, Turkey
June 2022 – Oct 2022

- Consulted projects on AWS Cloud Migration.
- Built data streaming pipelines via AWS Kinesis, S3 and Lambda services.
- Worked with AWS and Python.

Software Engineer Working Student
Migros E-Commerce

Istanbul, Turkey
June 2021 – Dec 2021

- Developed micro-services in Java with the Spring Framework
- Worked with Java, Docker and AWS.

Software Engineer Intern
Havelsan

Ankara, Turkey
May 2021 – June 2021

- Implemented UAV mission planning algorithm based on genetic algorithms

Projects & Publications

Automated Reasoning API



- Developed micro-service and queue architectures for reasoning queries

Using Unified Combinatorial Interaction Testing for MC/DC Coverage



- Modeled MC/DC testing criteria as constraint satisfaction problem to minimize number of tests.
- Published in 2022 IEEE International Conference on Software Testing, Verification and Validation

A Combinatorial Interaction Testing-Based Daily Build Process



- Developed strategies to generate test cases for daily-build Process to obtain test coverage under duration and size constraints.
- Published in Journal of Systems and Software, Volume 190, August 2022, 111353