

Giray COSKUN

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EDUCATION

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 <i>GPA</i> : 3.92/4 <i>Academic Scholarship</i> : Full Tuition Waiver <i>Related Coursework</i> : ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, DISTRIBUTED SYSTEMS, SOFTWARE VERIFICATION & VALIDATION, THEORY OF COMPUTATION
FEB 2020-JUNE 2020	UPPSALA UNIVERSITY <i>Erasmus Exchange Program</i> in Department of INFORMATION TECHNOLOGY

RESEARCH PROJECTS

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. Experiments conducted with Python 3 and Sugar constraint-solver. 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. Experiments conducted via Maven and Java 8 Supervised by Prof. Dr. Cemal Yilmaz
June 2019 - Aug 2019	KANADE RUSSELL'S Identity Finder Implemented a method to discover identities of integer partitions via symbolic computation published in Shashank Kanade & Matthew C. Russell (2015) IdentityFinder and Some New Identities of Rogers-Ramanujan Type, Experimental Mathematics Supervised by Prof. Dr. Kagan Kursungoz

WORK EXPERIENCE

June 2021 - Dec 2021 MIGROS E-COMMERCE	Software Engineer in Operation Expenditures Team Developed microservices in JAVA 16 & 17 with SPRING FRAMEWORK. Worked on operational expenditure optimization focused on collection and delivery of goods.
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May 2021 - June 2021 HAVELSAN	Software Engineer Intern Implemented mission planning algorithm based on GENETIC ALGORITHMS and CONSTRAINT-SATISFACTION. Implemented via Python 3 and Google OR Tools
Mar 2021 - Dec 2021 SPIKY START-UP	Software Developer & Devops Engineer Intern Developped a machine learning inference production pipeline via AWS SERVERLESS ARCHITECTURE and managed AWS services(ECS, ECR, Cloudwatch).
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 (2022)
by Hanefi Mercan, Atakan Aytar, Giray Coskun, Dilara Müstecep, Gülsüm Uzer and Cemal Yilmaz

- Accepted at [Journal of Systems and Software](#)

Using Unified Combinatorial Interaction Testing for MC/DC Coverage (2022)
by Giray Coskun, Cankut Coskun, Hanefi Mercan and Cemal Yilmaz

- Accepted at [International Conference on Software Testing, Verification and Validation Workshops 2022](#)

Unsupervised Adaptation of DNN for Brain-Computer Interface Spellers (2022)
by Osman B. Guney, Deniz Kucukahmetler, Pelinsu Ciftcioglu, Giray Coskun and Huseyin Ozkan

- Accepted at [Signal Processing and Communications Applications Conference 2022](#)

SKILLS

Language: ENGLISH (IELTS SCORE:7.5),GERMAN (Beginner), TURKISH (Native)
Programming Languages: PYTHON, JAVA, C/C++
Frameworks: SPRING, FLASK, AWS-SAM

INTERESTS AND ACTIVITIES

13 June - 17 June, 2022	PROGRAMMING LANGUAGE, DESIGN AND IMPLEMENTATION Student Volunteer
Since Jan 2019	SCUBA DIVING CLUB - 2-star CMAS diver & Bronze Lifeguard
Sep 2017 - June 2019	THEATRE CLUB - Actor & Festival Coordinator