

# Giray COSKUN

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## EDUCATION

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FEB 2018-JUNE 2023	<b>SABANCI UNIVERSITY</b> <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> : ALGORITHMS, DATA STRUCTURES, ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, DISTRIBUTED SYSTEMS, COMPUTER NETWORKS, SOFTWARE ENGINEERING, SOFTWARE VERIFICATION & VALIDATION, AUTOMATA THEORY
FEB 2020-JUNE 2020	<b>UPPSALA UNIVERSITY</b> <i>Erasmus Exchange Program</i> in Department of INFORMATION TECHNOLOGY

## RESEARCH PROJECTS

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Mar 2021 - Jan 2022	<b>Using Unified Combinatorial Interaction Testing for MC/DC Coverage</b> 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 2021 - Feb 2022	<b>Unsupervised SSVEP Signal Classification</b> Developped a deep learning model with unsupervised strategy for SSVEP based Brain-Computer Interface Speller Supervised by <a href="#">Prof. Dr. Huseyin Ozkan</a>
Sep 2019 - June 2020	<b>A Combinatorial Interaction Testing-Based Daily Build Process</b> 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>
June 2019 - Aug 2019	<b>KANADE RUSSELL'S Identity Finder</b> 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 <a href="#">Prof. Dr. Kagan Kursungoz</a>

## WORK EXPERIENCE

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June 2021 - Dec 2021 MIGROS E-COMMERCE	<b>Software Developer in Operation Expenditures Team</b> Developped 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	Computer Engineer Intern Implemented mission planning algorithm based on GENETIC ALGORITHMS and CONSTRAIN-SATISFACTION.
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 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 <a href="#">Prof. Dr. Husnu Yenigun</a>

## PUBLICATIONS

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

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

*Using Unified Combinatorial Interaction Testing for MC/DC Coverage*

- Accepted at [ICWT 2022](#)

## SKILLS

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

## INTERESTS AND ACTIVITIES

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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