

Mert Koşan

 www.mertkosan.com

 +1 805 568 88 95 |  mertkosan@gmail.com |  www.github.com/mertkosan |  www.linkedin.com/in/mertkosan

❖ EDUCATION

University of California at Santa Barbara Department of Computer Science	Santa Barbara, USA
• <i>Ph.D. student in Computer Science</i> 2 nd Year <i>GPA: 4.00</i>	2018 – 2023
• <i>Advisor: Prof. Ambuj K. Singh</i> <i>Research Area: Network Mining, Machine Learning</i>	
Sabanci University Faculty of Engineering and Natural Sciences	Istanbul, Turkey
• <i>Bachelor of Science in Computer Science and Engineering</i> <i>GPA: 3.99</i> 1 st Ranked	2013 – 2018

❖ WORK EXPERIENCE

Proente , Part-time Software Engineer, www.proente.com/en	Istanbul, Turkey
• Developed a software application that generates reports and statistics based on the data collected by Prowmes, an IoT device tries to maximize efficiency in production at the factories.	June 2017 – Aug 2018
Robert Bosch GmbH , Intern, Software Engineer, www.boschesitronic.com/en	Plochingen, Germany
• Designed a software application generating workshop reports based on data collected by ESI [Tronic] 2.0, an IoT device aims to provide solutions and improvements in automotive industry.	June 2016 – Aug 2016

❖ TEACHING EXPERIENCE

UC Santa Barbara , Teaching Assistant of Data Structures & Algorithms Course	Santa Barbara, USA
• Led the discussion sections, prepared the class materials and supervised the students doing projects.	Sep 2018 – April 2019
Sabanci University , Teaching Assistant of Database Systems & Operating Systems Courses	Istanbul, Turkey
• Prepared the lab materials and supervised the students doing projects using MySQL, C++, Java.	Feb 2016 – May 2017

❖ LEADERSHIP/INVOLVEMENT

Machine Learning Workshops , Co-designer and Instructor, UC Santa Barbara	Santa Barbara, USA
www.cens.de/international/exchange-programs/junior-nanotech-network.html	May 2019 – June 2019
• Helped the students, from A Self-Organized PhD Students Exchange Program by Junior Nanotech Network, to understand machine learning methods and how to apply these methods to their projects.	
Enhancement Workshops for Computer Science , Co-designer and Instructor, Sabanci University	Istanbul, Turkey
www.github.com/CSEssentialsWorkshops	Jan 2018 – June 2018
• Aimed for a quality enhancement of the students' knowledge about Computer Science.	
• Created workshops and instructed Computer Science related courses (Git, Linux, Gcc, Python etc.).	

❖ RESEARCH PROJECTS

Event Detection on Dynamic Networks , Research Assistant, with Prof. Ambuj Singh	Santa Barbara, USA
• Proposed an event detection framework for dynamic graphs using simple global and local graph features.	Sep 2018 – Present
• Implemented the framework, testing it on multiple datasets.	
Impact Measurement of Tweets , Program of Undergraduate Research, www.github.com/tweet-impacts	Istanbul, Turkey
• Measured the hidden impact of a tweet by detecting copy-pasted or referenced tweets which are named as "Hidden Retweets" by Dr. Arin.	Oct 2017 – June 2018
Differential Privacy Framework for Movie Recommendation System , Graduation Project	Istanbul, Turkey
www.github.com/BenKosSoft/pymovieLens	Sep 2016 – Sep 2017
• Proposed and implemented a movie recommendation system that utilize differential privacy framework which guarantees the privacy of the individual user ratings without losing the utility of the data too much.	

❖ OTHER PROJECTS

Bike Sharing , Combinatorial Algorithms Course Project, www.github.com/mertkosan/bike-sharing	Santa Barbara, USA
• Designed and implemented a bike sharing rebalancing problem using a network flow approach.	Sep 2018 – Dec 2018
CryCur , www.github.com/BenKosSoft/crycur	Istanbul, Turkey
• Created a command line tool introducing helpful functionalities for crypto-currency application.	Sep 2017 – Jan 2018
Economics and Terrorism , www.sudatateam.wordpress.com/	Istanbul, Turkey
• Used data science techniques to show a relation between economic prospects of the countries and terrorist incidents. These economic prospects include GDP, foreign capital investments etc.	Jan 2017 – May 2018

❖ SKILLS

Programming Related: Python, C++, Java, JavaScript | MySQL, Neo4j | Git, LaTeX
Languages: Turkish (native) | English (fluent) | Spanish (basic)