



Can Duyar
Data Scientist

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🏠 Graz, Austria

Education



2024 - Present / Graz, Austria

Graz University of Technology / MSc in Information & Computer Engineering



2017 - 2022 / Kocaeli, Turkey

Gebze Technical University / BSc in Computer Engineering (English)

Work Experience



Data Scientist
TEA Networks

July 2022 - June 2024
Teknopark Istanbul, Turkey

I specialized in artificial intelligence optimizations for wireless networks, focusing on WiFi6 data analysis, client behavior-based MAC derandomization, and optimization techniques. My work supported TEA Networks in delivering advanced solutions to major telecom and WiFi chip manufacturers, including Singapore Telecommunications, Telekom Malaysia, Netgem, and Celeno, primarily across the Asian market. At TEA Networks, we leveraged cutting-edge AI technologies to enhance network performance and user experience, reinforcing our commitment to innovation and excellence in the telecommunications industry.



Data Science & Analytics Intern
Twin Science & Robotics

January 2022 - February 2022
Maslak, Istanbul, Turkey

I designed an automation system that transmits the global order data on the website of the Twin Science & Robotics, from the invoicing of the product to the shipping process, through the Integromat software.



Machine Learning Intern
Know-Center GmbH

July 2021 - September 2021
Graz, Austria

I was working on a machine learning project of APG(Austrian Power Grid) Company under the supervision of Dr. Andreas Windisch at "Knowledge Discovery" team. I worked on a project that detected corrosion on high voltage masts. I gained experience on implementations of different CNN (Convolutional Neural Network) architectures like U-Net, EfficientNet, Mask R-CNN etc. I also participated in an introductory lecture series on Quantum Computing using IBM Qiskit and python. During these lessons, I learnt the general logic of subjects such as "Super-dense coding, Quantum teleportation, BB84, Deutsch-Jozsa and Grover search."



CO-FOUNDER/Software Engineer
INSWISE-AI

February 2021 - November 2021
Bilişim Vadisi(Technology Development Zone), Kocaeli, Turkey

- Providing emotion detection systems on the human face for companies that provide online interview systems and automotive producers to measure the emotions of candidates and drivers, respectively. Working on the human gestures, speech, and posture of the client to measure the exact emotion.

-Accepted by the Bilişim Vadisi pre-incubation program that supports us for developing our product and finding the investors that make the company more stable.



Software Developer Intern
Twin Science & Robotics

June 2019 - July 2019,
Maslak, Istanbul, Turkey

I developed UNITY-based 2D-3D games for the digital science encyclopedia named as ARCADIA.

Projects and Experiences

Detection of Cardiovascular Disease using Explainable AI and Gut Microbiota Data March 2022-July 2022

I implemented various AI models to detect cardiovascular disease using 16S rRNA data collected from Cardiovascular and Non-Cardiovascular patients under the supervision of Assoc. Prof. Habil Kalkan. I have published a paper in the *Intelligence-Based Medicine* journal on this study, which I conducted together with Dr. Simone Oliver Senica from Kärntner Landeskrankenanstalten - Betriebsgesellschaft (KABEG) - Austria and Assoc. Prof. Habil Kalkan from Gebze Technical University Computer Engineering Department.

Link: <https://www.sciencedirect.com/science/article/pii/S2666521224000474?via%3Dihub>

Google - Solution Challenge March 2022 - May 2022

The mission of the 2022 Solution Challenge was to solve for one or more of the United Nations 17 Sustainable Development Goals using Google technology. I attended this competition with the AI - based cardiovascular disease diagnosis project that I worked on as my graduation project.

Learning Bijections Framework / Invertible Neural Network Project October 2021 - January 2022

I implemented an invertible neural network architecture using Flux deep learning framework in Julia programming language for my graduation project that understands the behavior of bijective functions under the supervision of Dr. Zafeirakis Zafeirakopoulos.

BookWorm / Book Recommendation Application November 2020 - February 2021

I worked as a Data Scientist and Machine Learning Engineer during this project. It was a project for "Software Engineering" course at Gebze Technical University.

Young Guru Academy(YGA) Volunteer March 2019 - February 2020

As a part of this program, I received trainings on entrepreneurship for a year and I had opportunities to experience these trainings in the startup environments of the YGA.

AIIESEC Global Volunteer - Ukraine March 2019 - February 2020

I was a volunteer for Global Sustainable Development Goals in Ternopil, Ukraine.

Certificates

- NOKIA/BASIC IP COMMUNICATION TRAINING - IEEE / ROBOCRAFT - Robotic Arm Project - AIIESEC / Global Volunteer-UKRAINE
- AIIESEC / Leadership Development Experience - YGA(Young Guru Academy) / GLOBAL IMPACT

References

Dr. Andreas Windisch / Chief Science Officer at AI Austria

✉ andreas.windisch@joanneum.at

Sean Kim / Co-founder & Chief Strategy Officer at TEA networks

✉ seanie.kim@gmail.com

Assoc. Prof. Habil Kalkan / Gebze Technical University - Department of Computer Engineering

✉ hkalkan@gtu.edu.tr

Digital Skills

- C, C++, JAVA, PYTHON, UNITY 3D-2D, Prolog, Common Lisp, JULIA, SQL, PySpark, Apache Kafka.

Soft Skills

- Problem Solving , Teamwork, Self-Learning, Leadership

Languages

- * Turkish(Native) * English(Professional)

Hobbies

- Programming, Chess, Tennis, Transcendental Meditation, Camping