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Education

2021–2022 **High School**, Mod Eryaman Science High School, Turkey.
GPA:4.0/4.0

2018–2021 **High School**, Mustafa Hakan Güvençer Science High School, Turkey.
Activities and Societies: Mathematics Olympiad Team, Captain of the Swimming Team, Think Green Club,
Member of E-Twinning, Guitarist of the musical group.
GPA:3.81/4.0

Experience

May, 2021 **Founder @Turkish Nobel Community** | www.turkishnobelcommunity.com
Present It is a unique research program and social enterprise that aims to develop the potential of young researchers in Turkey. Its mission is to train future Nobel laureates and to enable high school students to enter academic life early, write articles, and understand the philosophy of research.

Mar, 2023 **Co-Founder and Instructor @LabStat Analyze Project** | <https://dar.vin/dbyIT>
Present The LabStat Analyze Project is a groundbreaking data science initiative that uses precise analysis of laboratory data and innovative modeling tools to empower laboratories to extract deeper insights and accelerate scientific discovery.

Oct, 2023 **Data Scientist @Ultimate Premium Products** | <https://upphomestore.com/>
Present I recently began working as a data scientist in an international furniture company with a global reach. The company operates warehouses in the USA, the Netherlands, Canada and the UK, with a strong presence in Turkey.

Ap, 2022 **Consultant, @MYA Consultancy**
Present I have assisted over 50 high school students in pursuing their academic goals and coursework, providing my guidance and teaching expertise free of charge. I have instructed and mentored them in participating in Olympiads and project competitions, aiding in their academic development through lessons in Biology, Chemistry, Physics, and Mathematics.

Sep, 2022 **Researcher, @Hacettepe University, Department of Biology Molecular Biology Lab**
Jan, 2023 Under the supervision of Prof. Dr. Hatice Mergen, he measured solution concentrations, analyzed biomolecular structures, and characterized carbohydrates using methods such as spectrophotometry and gravimetry. His research also covers amino acids, proteins, and the optimization of the saponification process.

Sep, 2022 **Researcher, @Hacettepe University, Department of Biology General Biology Lab**
Jan, 2023 Conducted extensive research on freshwater fish biology and ecology under Professors Dr. Guler Ekmekci and Dr. Zafer Ayas, focusing on skeletal, tissue, and cellular structures. Utilized *Drosophila melanogaster* for studying biological processes and examined environmental influences on development and behavior. Gained proficiency in microscopy, histology, and other lab techniques.

Jul, 2019 **Staff Pharmacist, @Tokgoz Pharmacy**
Oct, 2019 The production, main ingredients, and effects of medicines were analyzed. The relationship between diseases and medicines was discovered. Drug distribution, prescription systems, and intended uses were learned.

Publication

- 2023 **Clustering of P53 and CENPA Regulation in MCF10A Cells Using Gene Expression Profiles: Application of K-means Algorithm.**
Under Review.
[Acan, MY;](#)
- 2023 **A Comparative Study of Machine Learning Algorithms for Parkinson's Disease Diagnosis.**
Under Review. Website: <https://dar.vin/XSfww>
[Acan, MY.](#)
- 2022 **Examination Of The Effects On Patients With Marginal Zone Lymphoma After BNT162B2 Administration.**
In Preparation.
[Acan, MY;](#)
- 2021 **Investigation of MEF2A Activation and Its Relationship with Pathways..**
Academia. Website: <https://dar.vin/LoeLm>
[Acan, MY; Yüksel, Z.](#)
- 2020 **Investigation of the Effect of the MEF2A Variant on Myocardial Infarction and Coronary Artery Disease.**
[Acan, MY; Yüksel, Z.](#)
- 2018 **A Popular Science Article on Analyzing Our Place in the Universe.**
BIOFEN.
[Acan, MY;](#)

Teaching Experience

- 2021-2022 **Computational Biology and Bioinformatics Mentor**
I organize trainings and presentations on computational biology and bioinformatics for young high school students passionate about biology and data science.
LabStat Analyze Project
- 2021-on **Math and Biology Olympiads Mentor**
I am an advisor and tutor for high school and middle school students who want to participate in Olympiads.
MYA Consultancy

Presentation and Talks

- 2021 **Data Visualization with Seaborn: A Powerful Tool for Exploring and Communicating Insights from Your Data.**
In a data science bootcamp, I trained 100 experts on how to use Seaborn to create data visualizations.
Clarusway | <https://clarusway.com/>
- 2021 **How to Write an Academic Paper and Publish ?**
I gave a 9-hour workshop on how to write an academic paper.
Young Leaders Over The Horizon
- 2021 **How to Write an Academic Paper ?**
I gave a 6-hour workshop on how to write an academic paper.
Meliora | <https://joinmeliora.com/>
- 2020 **What is LinkedIn? How can you have a good LinkedIn profile?**
I gave a 3-hour workshop 2 times on how to have a good LinkedIn profile. I trained a total of 1000 students.
MYA Consultancy
- 2019 **Trolley Problem in Autonomous Vehicles.**
Examining the effects of artificial intelligence and machine learning on the trolley problem.
The Scientific and Technological Research Council of Turkey (TÜBİTAK)

Honors and Awards

2022 **Sen Gencsin Guc Sensin, Semi-Finalist**

Sen Gencsin Guc Sensin awards inspirational and influential young people between the ages of 15-25 across Turkey who make a difference in science, art, sports, and/or social responsibility. I was selected as one of the 128 semi-finalists among +1700 applicants.

2021 **23rd Turkey On-Line High School Music Competition, Second**

Among all high schools in Turkey, our school's music group placed second in the national competition. I was a guitarist and vocalist in the group.

2020 **Ankara Regional Math Olympiads, Finalist**

I became a finalist in the mathematics olympiad in Ankara among high school students with a high level of mathematical ability.

Open Educational Resources

2021 **Data Visualization Using Seaborn.** Website: <https://dar.vin/1Mv32>

2021 **3D Graphics in Python.** Website: <https://dar.vin/bogs5>

2021 **Solutions to Some Rosalind Questions.** Website: <https://dar.vin/Sich9>

Skills

- **Language :** Turkish (Native), English (Advanced), Italian (Beginner)
- **Programming :** Python, Processing, Swift, SQL, Linux, HTML, CSS, LATEX
- **Tools :** GIT, Tableau, Excell, Streamlit, NumPy, Scikit-Learn, Tensorflow, Matlab, Agile, AWS
- **Technical :** Machine Learning, Deep Learning, Natural Language Processing, Bioinformatics, Computational Biology