

Ekin AKMAN
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EDUCATION

Tevfik Fikret School, Ankara, Turkey *September 2020 — Present*
Enrolled in the French Baccélaureat Program alongside the Turkish National Diploma.
Ranked 4 out of 104 students.

Summer School for AI, Bilkent University, Ankara, Turkey *July 2021*
Enrolled in the Introductory Python and Computer Science class taught by Bilkent University Department of Computer Engineering.

AI Scholars, Inspirit AI, CA, USA *August 2022 — December 2022*
Participated in 2 weeks of Artificial Intelligence and programming classes and designed an algorithm by using the data collected from NASA's Kepler Telescope, to detect exoplanets.

The Coding School, Qubit by Qubit & IBM *October 2022 — April 2023*
Enrolled in the Introduction to Quantum Computing course, learned about quantum programming and implementation of quantum mechanisms in different fields.

Winter School, Kadir Has University, Istanbul, Turkey *January 2023 — February 2023*
Took intensive quantum mechanics classes for 2 weeks taught by Prof. Dr. Nihat Berker (Vice President Dean of Engineering and Natural Sciences at Kadir Has University, Emeritus Professor of Physics at Massachusetts Institute of Technology), completed the course with Outstanding Success.

Cambridge Center For International Research, England *April 2023— October 2023*
Researched the astrophysics of high-density objects, quantum electrodynamics, and general relativity supervised by Dr. Bart Ripperda from the Institute of Advanced Study under STEM scholarship and produced a paper on particle motion in extreme magnetic fields.

Kode With Klossy, USA *June 2023*
Participated in the Data Science Program and learned about SQL, statistics, and data science. Designed an application about gender equity named We Belong.

The Summer Academy of the New York Times, USA *July 2023*
Participated in courses on film writing, learned the basics of screenplay writing from the staff of the New York Times and Hunter College, was named a Diverse Voices Scholarship Recipient, and received a scholarship worth 50% of tuition.

ACCOMPLISHMENTS AND AWARDS

Academic High Honors Award 9th, 10th,
11th grades
Merit-Based Scholarship (25%)
Cumulative GPA 96,95/100

CERN BL4S Shortlisted Team 11th grade,
June 2023
Selected as one of the 27 finalist teams from 379 proposals submitted by 63 countries.

Silver Medallist, Bpho Computational Physics Challenge 12th grade,
September 2023
Recognized internationally as one of the top scorers for the challenge on 3D simulations of planetary systems.

FIRST World Championship Sustainability Award 11th grade,
April 2023
Won the award for establishing disadvantaged teams consisting of cerebral palsy patients, hearing-impaired, and refugees.

University of Waterloo Center for Chemistry, Avogadro Contest Distinction 11th grade,
May 2023
Ranked in the top twenty-five participants from all over the world, school champion, and 12th in Turkey.

University of Waterloo Center for Physics, Sir Isaac Newton Contest Distinction 11th grade,
May 2023
Ranked in the top twenty-five participants from all over the world.

TESTING SCORES

DALE C1: 78/100	12 th grade, 2023
DELE B1: 79/100	10 th grade, 2022
IELTS: 8/9	12 th grade, 2023
SAT: 1510/1600	12 th grade, 2023

EXTRACURRICULAR ACTIVITIES

FRC Robotics Team3390 of the Tevfik Fikret High School *September 2020 — Present*
Vice-Captain

- Designed robots to participate in annual FIRST & VEX Competitions.
- The team designed various projects to engage people in STEM by establishing 3 Robotics Teams for people with Cerebral Palsy, Syrian Refugees, and Deaf people.
- As the vice-captain presented the team and the voluntary work in Anatolia in regional and international competitions.

BL4S, Tevfik Fikret High School *January 2022 — April 2023*
Club President

- Designed a particle physics experiment to be tested in CERN's Proton Collider and learned more about CERN's mission, colliders, and accelerators.
- The club was selected as a Global finalist for designing a concrete resistance testing experiment using muons to prevent earthquakes and was ranked in the top 27/379 from 63 countries.

Social Equity Club Tevfik Fikret High School *December 2021 — Present*
Club Founder and President

- Established the club with the cooperation of UN Women Turkey and Girl Up to promote social equity in the Turkish community.
- Organized a talk with Turkey's first female bomb disposal expert.

Lokman Hekim University *September 2021 — Present*
Student Researcher

- Working under Dr. Semih Çalamak, researched the usage of silver nanoparticles for diabetes treatment and the digitalization of the data of calorimetric analysis of bovine serum albumin.
- Working on the thesis concerning the usage of gold nanoparticles in cancer treatment.

French MUN Club, Tevfik Fikret High School *June 2022 — Present*
Club President

- Attended 11 MUN conferences in Turkey and France.
- Organized the school's biggest MUN conference TFL MUN for the first time in French with 200+ participants and served as the secretary-general of the general assembly.

COMMUNITY SERVICE

UNICEF Türkiye, Child Labor Advisory Board Committee*June 2023 — Present***Youngest Board Member**

- Organized community-based workshops in local villages all around Turkey, as the youngest member of UNICEF Board members of Türkiye.
- Prepared reports on village school student populations, and participated in UNICEF Conferences on educational accessibility.

The Power of Youth Writers*June 2022 — Present***Founder**

- Led a team of 51 individuals from 5 countries to empower youth voices by leading the only youth-led nonprofit devoted to book publishing.
- Organize monthly research showcase activities, and book distribution projects to local villages in India and Turkey.
- Collaborated with Malala Fund, UNICEF, and UN Women to provide educational materials to children from underprivileged backgrounds.

UN Women Türkiye*February 2024 — Present***National Gender Youth Activist**

- Participated in the dialogues regarding the 68th Commission of Status of Women Conference and gathered with non-governmental organization leaders to further expand the mission of the Beijing Declaration.
- Co-moderated the UN Women Europe and Central Asia 2nd Session of the Beijing 30+ Youth Dialogues and provided advice on how to increase youth participation in gender equality advocacy regarding the 12 statements of the Beijing Declaration.

WORK EXPERIENCE

UC Santa Cruz, Summer Science Internship Program, CA, USA *May 2023 — August 2023*

- As an intern, I was placed in AST-07: The Kinematics, Physical Conditions, and Chemical Abundances of Ionized Gas in the Andromeda Galaxy (M31) and a Comparison to the Triangulum Galaxy (M33), worked specifically on the spatial distribution of ISM emissions in M33.

Max Planck Institute for Physics, Munich, Germany*August 2023 — September 2023*

- Worked as an intern under the supervision of the MADMAX research group and the advisory of Juan Maldonado on axion dark matter.
- Performed experiments to better the booster system, participated in collaboration meetings, and opened the experiment cryostat.

CERN, Geneva, Switzerland*September 2023 — Present*

- Worked as an intern in the AEGIS under Dr. Benjamin Rienacker, analyzed data on the measurements of highly charged ions, and presented work at the Annual Extensive Physics Meeting.

- Worked under Dr. Konstantin Zioutas on the CAST experiment, designed collaboration posters, and shadowed physicists' research analyzing the Axion Solar Telescope data.
- Continued online work under Konstantin Zioutas on astrophysical reasons behind anomalies in circadian rhythm.