Yiğit Efe Enhoş

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ACADEMIC BACKGROUND

Robert College, Istanbul, Turkey (2020 - 2025)
GPA: 98.03

Pioneer Research Program Online (Summer 2024)
Took part in cohort "Machine Learning: Beyond Maximizing Accuracy." Researching word-level adversarial attacks and defenses on transformer-based sentiment analysis models. Received an A+ grade.

Harvard University Summer School Online (Summer 2024)
Took "MATH21-b: Linear Algebra and Differential Equations" and "MATHS-151: Classic Mathematics with a Modern Interface" for 8 college credits combined. Received an A grade for both.

Pioneer's Global Problem Solving Institute Online (Winter 2024)
Took "Analyzing AI: Taming the Technology that is Transforming Our Future." Received an A grade.

Harvard University Summer School, Online (Summer 2023)
Took "CS20: Discrete Mathematics for Computer Science" for 4 college credits. Received an A grade.

Columbia University Summer School, SHAPE, New York, USA (Summer 2022)
Took "Advanced Computer Science: Algorithms and Data Structures." Won Othello Game AI Player Competition, 1/60.

HONORS, CERTIFICATES AND AWARDS

TEKNOFEST Flying Car Simulation Competition, Regional Finalist (11th grade),
Team captain.

University of Waterloo Hypatia Mathematics Contest (11th grade)
Placed 1st in school, 3rd in Turkey, and top 62 globally.

UC Berkeley International Mathematics Tournament (Online) (11h grade)
Placed 3/400+ in the Power Rounds. Honorable Mention in Discrete Mathematics.

American Computer Science League Senior Division (Online) (11th grade)
Certificate of Outstanding Achievement

Coding Quest Global (9th and 10th grades)
Earned twice. Placed 7/258 and 5/308 in 9th and 10th grade respectively. Captained and initiated the school team, which placed 2/67 and 2/75 respectively.

LCM Grade 1-3 Piano, Passed with Distinction (7th-9th grade)

Uber Global Hackathon, Regional Finalist (11th grade)
Gençbizz, Turkish Entrepreneurship Competition, Regional Finalist (9th-11th grade)
Robert College Scholarly "Leader" Award (9th grade)

WORK EXPERIENCE
H+K International (10th grade - present)
Software Developer (20 hrs/wk, 52 wks/yr)
Developed an AI-powered chatbot that consumes information from ingested PDF documents. Held workshops for the HR team to showcase the usage of the chatbot. Improved and developed semantic search algorithm used by fast food companies such as McDonalds, Subway, Dunkin Donuts, etc. Collected feedback from Ireland McDonald on the enhanced search algorithm. Developed a CRM system and automated the process of data importing. Gave presentations in Dublin and Poland. Redesigned the UI of the company website and mobile app. Led a whitepaper on blockchain to present to the IT team. Created a POC on the security implications of blockchain.

EXTRACURRICULAR ACTIVITIES
Robert College Junior Achievements (JARC) (9th grade - present)
Current Chief Production Officer (3 hrs/wk, 38 wks/yr)
JARC organizes entrepreneurship events and develops innovative products. As the lead on product, developed the UI and UX of ISTOP (2022), a software that detects empty parking slots, now publicly available through the Istanbul Metropolitan Municipality app on Android and IOS. Other projects worked on include: ECOMENT (2023), a machine that recycles plastic bottles into 3D printer filament, worked on the PID controller with Arduino Uno; HAYAT UCGENI [Triangle of Life] (2024), an IOS app that sends the optimal route to reach people stuck under earthquake debris to AFAD (Turkish Disaster and Emergency Management Presidency), worked as the project lead on organizing weekly meetings, distributing tasks, reaching out to sponsors and related organizations. Also helped organize entrepreneurial events: Zirve (2023) and Remixopolis (2024). Hosted 600+ students in total, invited and managed relations with CEO of Cisco, CEO of Medimark, CEO of Influenca, and old TUBİTAK president as guest speakers and found sponsors such as Coca-Cola, PIN Drinks, Harbio, Nilky.

Robert College App Development Team (10th grade - present)
Founder and Current President (3 hrs/wk, 38 wks/yr)
Teaching students web and app development. Starting from the basics of HTML and CSS and covering up to React and Express JS. Preparing the curriculum, teaching material, homework, etc. Created the school's newspaper website.

Discrete Mathematics Lectures (11th grade - present)
Teaching Assistant (4 hrs/wk, 38 wks/yr)
Teaching discrete mathematics as a teaching assistant to first-year university students with Fatih Kürşat Cansu. Preparing and grading exams, worksheets, and yearly projects.

Olympiads Initiative (10th grade - present)
Founder and Lecturer (4 hrs/wk, 38 wks/yr)
Initiated a community that competes in science Olympiads. Contacted Turkish Science and Technological Research Institute representatives to give lessons to volunteer students in our school. Teaching algorithms and Data Structures for the second leg of the Informatics Olympiad. Teaching discrete mathematics to both Informatic and Mathematics Olympiad students.

Integral Bee Initiative (11th grade)
Organizer (*15 hrs/wk, 1 wks/yr*)
Hosted Dr. Tom Crawford at our school to give seminars about Oxbrdige life and his PhD research on ocean pollution. Hosted an Integral Bee competition where he was the final judge.

RCAA (9th grade - present)
Member (0.5 hrs/wk, 38 wks/yr)
Created the website for the Robert College Alumni Association. Updating the website for special occasions or new events. Maintaining the website. Handling invoices and requests.

MARTI (9th and 10th grade)
Chief Editor   (2 hrs/wk, 38 wks/yr)
Published school's poetry magazine. Brought together pictures from the school's photography club and the poetry by MARTI club members. My poetry pieces were published in 4 separate issues.

VOLUNTEER EXPERIENCE

Smart Use of Internet Antalya, Turkey (11th grade)
Leader of Volunteering Project (40 hrs/wk, 1 wk/yr)
Organized a group of Robert College students to travel to Antalya to work with 7th graders on high school entrance exam preparation by introducing useful websites. Worked with the provincial national education of Antalya to identify a school in need. Organized accommodation, food, and transportation for participants and students. Donated money raised to the school. Created lesson plans and daily schedules, held daily reflective meetings with the whole crew.

Engineering and Programing Istanbul, Turkey (10th grade)
Leader of Volunteering Project (30 hrs/wk, 1 wks/yr)
Taught introduction to engineering and programming lessons through Vexcode VR. Created lesson plans. Scheduled each day. Hold an information session for the students regarding their high school entrance exam.

Independence Day Celebrations İstanbul, Turkey (10th grade)
Volunteer (25 hrs/wk, 1 wks/yr)
Went to an underprivileged school to lead Independence Day celebrations.

Dead Poets Society Online (10th grade)
Volunteer (30 hrs/wk, 1 wks/yr)
Taught visually impaired Turkish students English.

Curiosity Feed the Cat Online (9th grade)
Volunteer (25 hrs/wk, 1 wks/yr)
Fostered an interest in STEM-related subjects to elementary school students. Conducted experiments with household items.

Web Development Online (9th grade)
Volunteer (30 hrs/wk, 1 wks/yr)
Taught middle school students the basics of HTML and CSS.

Graphic Novel Online (9th grade)
Volunteer (30 hrs/wk, 1 wks/yr)
Cultivated an interest in digital arts for middle school students. Introduces basic concepts for writing and drawing graphic novels.

RESEARCH

Athlete Analysis Algorithm Research (11th grade)
Research Intern
Partnered with Ph.D. students at Yildiz Teknik University Teknopark, founded and mentored by MTEK A.S. Developed an AI algorithm that does time-series analysis for real-time athlete performance prediction using temporal convolutional neural networks (TCN) with custom attention mechanisms.

Anticipation and Perception in Autonomous Machines for Error Prevention with VLM Models Trained on Synthetic Data (11th grade)
Research Intern
Researching anticipation and perception in robots for error detection and prevention in kitchen settings, particularly stirring eggs and pushing bowls aside. Utilizing sim-to-real transfer and VLM models to make next-frame predictions. Mentored by Professor Sanem Sarıel from İTÜ. Presented findings to the academic committee.

Vector Calculus in Physics Applications (11th Grade)
Independent Research
Wrote a 40-page paper on vector calculus's applications in electromagnetism and classical mechanics. Explored the use of gradient, divergence, and curl operators in physical phenomena such as electric and magnetic fields. Derived Maxwell's equations.

Xenophobia in Different Mediums of Expression (9th Grade)
Independent Research
Investigated the roots of xenophobia by its representation in various literary fields. Created a portfolio comprised of a horror short story, science fiction short story, TedTalk, podcast, and monologue highlighting xenophobia's seamless presence.

OTHER
Gardening (9th grade - present)
Gardener (2 hrs/wk, 40 wks/yr)
Managing and cultivating a personal plot at Istanbul Municipality's Public Garden, performing tilling, planting, and maintenance of various endemic flowers. Designed and set up a drip irrigation system.

Knitting (9th grade - present)
Knitter (1.5 hrs/wk, 52 wks/yr)
Attening weekly knitting classes with my mother.

Coding Languages: Phyton Advanced, Java Advanced, JavaScript/TypeScript (React JS, Express JS, and Next JS) Advanced, Deluge Intermediate, Swift Intermediate, C/C# Intermediate