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EDUCATION

Northeastern University	**September 2023 – Present**
Khoury College of Computer Sciences and D'Amore-McKim School of Business	**Boston, Massachusetts**

Bachelor's in Computer Science with a Minor in Business Administration

The Koç School, High School Class of 2024	**September 2022 - June 2024**
International Baccalaureate Diploma Program (IBDP) & Turkish National Curriculum	**Istanbul, Türkiye**

- Took the Higher Level IBDP courses: Computer Science, Digital Society, Turkish A: Literature
- Took the Standard Level IBDP courses: Economics, Mathematics Analysis & Approaches, English A: Language and Literature
- Wrote an IBDP Extended Essay titled Identifying Spam Text Messages Using Machine Learning: A Comparative Analysis of K-Nearest Neighbors, Support Vector Machine, and Multinomial Naive Bayes Classifier Algorithms in Binary Classification Tasks
- Recipient of the *Computer Education Department Award* (2018, 2019, 2020, 2021, 2023), an annual honor recognizing one student per grade for academic excellence and outstanding extracurricular activities in Computer Science.

Harvard University	**June 2023 - August 2023**
Secondary School Program at Harvard Summer School	**Cambridge, Massachusetts**

- 4-credit course CSCI S-7: "Introduction to Computer Science with Python" (Achieved the highest possible grade of A)
- 4-credit course DRAM S-145: "Voice and Speech: Breath, Presence, and Connection" (Achieved the grade of A-)

EXTERNAL COURSEWORK

Harvard Online: CS50's Introduction to Programming with Python	**October 2022 – May 2023**

Completed nine problem sets and one final project.

London College of Music (LCME) Grade 3 in Piano	**2019**

Received seven years of comprehensive piano education. Awarded *Merit* distinction in the LCM Grade 3 piano exam.

SERVICE

Massachusetts Institute of Technology	**October 2021 – August 2022**
Turkish Translation of MIT AppInventor	**Cambridge, Massachusetts & Istanbul, Türkiye**

Volunteered to translate MIT AppInventor, an educational tool for teaching programming, into Turkish, thereby making the platform accessible to Turkish students. Led a team of 5 Turkish translator volunteers. Facilitated regular communication through weekly online meetings with MIT AppInventor leaders.

Fundraising for State School	**November 2022**
Independent Community Service	**Ankara, Türkiye & Istanbul, Türkiye**

Led successful community mobilization efforts to furnish a new state school in Ankara Province that lacked government-provided resources. Coordinated funding initiatives and streamlined transportation logistics. Enhanced learning environments.

EMPLOYMENT

The Istanbul Chronicle	**October 2021 – May 2022 • 28 hours per week**
Lead Software Developer	**Istanbul, Türkiye**

Founding member of Türkiye's largest independent student-led newspaper. Oversaw the software development department of four developers. Designed, programmed, and maintained the newspaper's website.

Wingie Enuygun Group	**July 2021 – September 2021 • 45 hours per week**
Full-Time Web Development Intern	**Istanbul, Türkiye**

Interned at a leading global multimillion-dollar travel internet company. Observed and attended the meetings of a back-end developer team. Presented solution proposals to company executives. Worked with experienced programmers on the development of an internal tool. Programmed and documented a microservice.

SKILLS

- Native **Turkish**, full professional **English**, and elementary **German**
- Proficient in Python, Go, TypeScript, Java, Kotlin, and Rust programming languages.
- Proficient in web development languages HTML/CSS/JavaScript and TypeScript, and web frameworks such as Next.js, Svelte and React.js
- Blockchain development using the Solidity programming language. Development of cryptocurrencies and NFTs.
- Artificial intelligence programming with TensorFlow and Keras.
- UI/UX design and prototyping using Figma.
- Proficient in the design and usage of document-based and SQL relational databases.

EXTRACURRICULARS & HONORS

The IBPS Programming Language   **November 2022 – June 2024**
Created the IBPS programming language tailored for International Baccalaureate Computer Science students. Created an online educational platform where students can write, share, run, and test their code. The Koç School's Department of Computer Science has adopted the platform for its Computer Science curriculum starting Fall 2023.

Skinscan   **June 2022 – September 2022**
Finalist for the Uber Global Hackathon
- **Honor:** Competed in Uber's computer science hackathon. Placed top 5 in the region that consists of the Middle East, Russia, Central Asia, Central America, and South America.
- Programmed an artificial intelligence-powered mobile app that can diagnoses skin conditions through a photo of the affected area. Created a demonstration video and presented the project in front of a live panel of judges consisting of members from Uber.

Koç NASA Club   **Club Member • September 2021 – June 2022**
Third Place Globally in the   **President and Mentor • September 2022 – June 2024**
NSS Gerard K. O'Neill Space Settlement Contest
- Orchestrated the club admissions process, including the design and evaluation of a written exam and interview.
- Mentored, tutored, and supervised a team of grade 10 students that got awarded third place globally in the grade 10 large group category. Coached future leaders of the club to ensure its sustainability.
- **Honor:** Authored a 50-page paper in a team of 7 over the course of 2 years. Wrote about a theoretical space mission that aims to move humanity to a permanent free-floating space settlement. Awarded third place globally in the grade 11 large group category, standing out among 26,000+ contestants and 4,000+ entries representing 19 countries.

ThreAIT   **Researcher • November 2022 – December 2023**
Research Project   **Paris, France & Istanbul, Türkiye**
Developed ThreAIT: an artificial intelligence system for automatically detecting prohibited items in X-ray security screening. Supervised by Mehmet Ozgur Sahin, senior scientist at CEA Saclay Irfu, Paris-Saclay University.

FIRST Robotics Competition (FRC)   **Club Member • September 2022 – June 2023**
Team RAMS#7729   **Honorary President • September 2023 – June 2024**
Took part in the school robotics team. Built an approximately 1 cubic meter 120-pound robot. Specialized in the software department. Competed in the FIRST Robotics Competition Istanbul Regional round.

The Koç School Department of Fine Arts   **February 2023 – June 2023**
Master of Ceremonies at the Koç School's Annual Talent Show
Revived a 3-year dormant school tradition post-pandemic. Planned, structured, and organized the school talent show. Hosted the show. Showcased versatile talents by personally performing skits. Rekindled school spirit.

The Computer Science and Programming Club (CSPC)   **September 2022 – June 2023**
Co-Founder and President. Designed an intensive introductory computer science curriculum. Taught a class of 20 students. Held weekly lectures.

Junior Model United Nations Development Program (JMUNDP)   **2022**
Head of IT. Took part as Head of IT in the executive committee of the Koç School's Junior Model United Nations Development Program event, an MUN event entirely organized by the Koç School's high school students. Maintained and managed all IT systems used in the event.

Koç Aviation Club   **September 2021 – June 2022**
Collaborated with a team of 5 to build a fully functional 3D-printed model plane, demonstrating strong teamwork and hands-on skills. Programmed an internally used web service that monitors the 3D printing process for each component of the plane.