

Emir Çelet

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Mechanical engineering undergraduate at UCL with a hardware-first background in fabrication, electronics and instrumentation, and a growing software side in modelling and applied machine learning. Ten years around a manufacturing business before university.

EDUCATION

University College London · MEng Mechanical Engineering with Business Finance · 2025 – 2029

London, United Kingdom

- First-year modules: Fundamentals of Materials, Fluid Mechanics, Dynamics, Mathematical Modelling and Analysis, Thermodynamics.
- Junior IC loom designer, UCL Racing Formula Student.
- IMechE Design Challenge 2026, 2nd of 50+ UCL teams.

Robert College · Turkish High School Diploma · 2020 – 2025

İstanbul, Türkiye

- GPA 94.8. Academic high honours.
- Herbert Lane Award: “awarded to a senior boy elected by one's class regarding one's contributions to RC.”
- Hüseyin Pektaş Award: “awarded to a senior student who has displayed outstanding leadership qualities during their RC career.”
- Advanced Placement: Calculus BC 5, Physics C Mechanics 5, Macroeconomics 5, Microeconomics 5; Computer Science A 4, English Language & Composition 4, Physics C Electricity & Magnetism 4.

EXPERIENCE

Pirelli · R&D; Intern · Summer 2026

Motorsport tyre manufacturing facility, İzmit, Türkiye

- Machine learning project within the R&D; function. Details confidential.

UCL Racing Formula Student · Junior IC Loom Designer · Oct 2025 –

London, United Kingdom

- Sensor selection and low-voltage design for a single integrated vehicle harness: 55 connectors, 239 terminated pins.
- RapidHarness modelling alongside an Excel pin-to-pin matrix with a custom wiring macro.

Samsonite Europe · Tooling Department Intern · Jul – Aug 2023

Oudenaarde, Belgium

- Manufactured components for heavy-duty luggage production lines.
- Built the stage of a heat-moulding machine that stretches plastic sheet before pressing.
- First experience of working with power tools inside a high-technology manufacturing environment, in a foreign working culture.

DESA · Rotational Intern · 2015 – 2025

İstanbul, Türkiye

- Summers across production, e-commerce and automation.
- Hands-on with production machinery from CNC to industrial sewing.
- More recently, internal analytics and optimisation tooling for the business.

VENTURES

BLang AI · Co-founder & CFO · 2023 – 2025

İstanbul, Türkiye

- AI language-learning platform; grew past 60,000 users worldwide before wind-down.
- Owned linguistics, legal, financial and marketing functions.

RC Startup Factory · Co-founder · Oct 2024 – Jun 2025

İstanbul, Türkiye

- Mentoring programme connecting student teams to VCs and founders; Shark Tank-format demo day placing thousands of dollars of seed funding.
- Now the largest club at Robert College by participation.

LEADERSHIP

President, Robert College Student Council · Apr – Dec 2024

İstanbul, Türkiye

- Succeeded to the presidency mid-term after a council vote removed the incumbent; led a reform of parts of a hundred-year-old constitution to make the process legitimate.
- Head organiser, Fine Arts Festival 2024: \$50,000 budget, 13 sponsors, 1,500+ attendees.

Vice President, Robert College Student Council · Dec 2023 – Apr 2024

Level Representative, Robert College Student Council · Jan – Dec 2023

President, Robert College Model Airplane Club · 2023 – 2024

Technical Lead, Destination Imagination "BanDIts" · 2021 – 2023

- Turkish national champions twice; invited to Global Finals both years.

SELECTED ACTIVITIES

IMechE Design Challenge 2026 · Group 18, 2nd of 50+ UCL teams · 2025 – 2026

University College London (ENGF0033)

- Self-contained robot climbing a 22 mm copper pipe to 2.2 m under an increasing chain load, with a rule prohibiting any programmable control.
- Led the electronics and co-led CAD; designed the analogue switch logic that replaced software sequencing, and the rack-and-pinion chain release mechanism.
- Delivered within the £50 IMechE bill-of-materials limit at £49.90, with a predicted mission time of ~102 s against a 180 s cap.

Olmazı Oldurmak · translator and audiobook narrator · 2025

Nuri M. Çolakoğlu · Storytel

- Translated the 237-page history of DESA from Turkish into English; checked and published.
- Narrated the Turkish audiobook over a week of four-hour sessions in a professional studio; credited on Storytel.

Biodesign Challenge · presenting team member · 2025

Biodesign Challenge Summit, MoMA, New York

- Robert College's "Meat of the Matter" won Outstanding High School Project. Research and website build; presented on stage.

Seen With Other Eyes · 2021 – 2022

- Prepared audio lessons in mathematics and geometry for visually impaired students.

Robert College Scuba Diving Club · safety diver · 2020 – 2025

- PADI Advanced Open Water and Nitrox certified; diving since age eight, 100+ dives.

SKILLS

CAD Fusion 360

Electronics Arduino · ESC design · MOSFET drivers · hall-effect sensors · RapidHarness

Manufacturing FDM 3D printing · MIG welding · soldering · CNC exposure

Programming Python (intermediate) · Arduino IDE (advanced) · Claude Code (advanced)

Business software Microsoft Office (advanced) · Meta Business Suite · Google Analytics

Languages Turkish (native) · English (C2) · German (B2) · French (A2)