

Tuna Şahin

Ankara, 06800 • sahintuna98@gmail.com

Education

TU Delft

Delft, Netherlands

Master of Science in Electrical and Electronics Engineering, *SENS*

İhsan Doğramacı Bilkent Üniversitesi

Ankara, Türkiye

Graduation CGPA: 3.67

September 2022 - June 2026

Minor in Psychology. CGPA: 3.28

Relevant Coursework: Signals and Systems, Digital Signal Processing, Digital Systems, Microprocessors and Embedded Systems, Analog Circuit Design, Control Systems, Electronic Circuit Design, PCB Design, Analog CMOS IC Design, Neural Networks, Radar Signal Processing, Antenna Engineering, RF Engineering

Projects: "Pointer to a Selected Star via Lasers" - EEE 102 Digital Systems Design

"Friction Coefficient Measurement" - PHYS 101 Classical Mechanics

"Automatic Marshmallow Roaster" - EEE 212 Microprocessors

"Reed-Solomon Codes" - Meteksan Internship

"Ethernet Physical Layer" - ADHOC Internship

"4-bit Microprocessor" - Independent Project

"Electro-magnetic Pulse Generator" - EEE 351 Engineering Electromagnetics

"Handwriting Recognition from Scratch" - Neural Networks Independent Project

"3GHz Yagi Uda Antenna" - EEE 452 Antenna Engineering Project

"Deep-Learning-Based Frequency-Domain Drone Detection" - Graduation Project with Meteksan Defense

Bahçeşehir 50. Yıl Science & Technology High School

Ankara, Türkiye

Graduation Average 97.95

September 2018 - June 2022

Placement Percentage 0.02%

Yasemin Karakaya Science & Art Center

Ankara, Türkiye

Special Talent area in Physics

September 2015 - June 2017

Experience

ASELSAN

Ankara, Türkiye

Intern

Jun 2025 - Jul 2025

- I interned at ASELSAN and worked with different windows in signal processing.
- I also learned about radar signals and processing radar signals using numerical and machine learning methods.

Meteksan Defense

Ankara, Türkiye

Intern

Jul 2024 - Aug 2024

- I interned at Meteksan Defence for a month, during which I worked on Hamming and Reed-Solomon Codes
- I learned about different topics such as Finite-Fields, Error Correction & Detection.

ADHOC Technology

Ankara, Türkiye

Intern

Jun 2024 – July 2024

- Worked with the protocols used for Ethernet Physical Layer.
- Implemented another Error Detecting Code (CRC) that is present in the MAC module of the physical layer.
- Loopback Latency tests for the ADHOC's boards' QSFP ports.

Radio Bilkent

Ankara, Türkiye

Broadcaster / Dj

Dec 2022 – Jun 2026

- I am currently employed as Assistant Music Director, where we oversee every song and ID that plays on air.
- Regular broadcasts between 17:00-19:00 during prime time every weekday and in-campus broadcasts.

References

- My mentor at Meteksan Defense:
 - Name: Çağatay Turgut
 - Email Address: c.turgut@meteksan.com
- My mentor at ADHOC Technology:
 - Name: Altuğ Süral
 - Email Address: asural@adhocteknoloji.com
- Technical-Lead at ASELSAN:
 - Name: Utku Yılmaz
 - Email Address: utkuyilmaz@aselsan.com

Achievements & Activities

- Ankara Chess Tournament 2012 5th place.
- Turkey Chess Tournament 2014 40th place.
- Bilfen Middle School Orchestra lead violinist.
- ABRSM 3rd Grade piano certificate.
- ABRSM 5th Grade Music Theory Certificate.
- University Placement Exam of Turkey 2022 | 1637th(top 0.08%)

External Connections

- GitHub: <https://github.com/tuna-sahin>
- LinkedIn: <https://www.linkedin.com/in/tuna-%C5%9Fahin/>
- YouTube: <https://www.youtube.com/@TunaSahin2>

Skills & Interests

Technical: C, Python, VHDL, Assembly, SPICE, MATLAB, Adobe Premiere & Photoshop, Cadence, ADS

Language: IELTS 7.5 - 16.11.2025

Laboratory: Soldering, PCB Design

Interests: Playing the piano, guitar, and violin; photography, origami, and cycling.