

Sahin Halil

07387-376-368 | sahinhalil1311@gmail.com | <https://www.linkedin.com/in/sahin-efe-halil/> | <https://github.com/Sahin-Halil>

EDUCATION

Queen Mary University of London

BSc Computer Science

London, UK

Sept. 2023 – Present

- Achieved **82.5%** overall in **First** and **Second Year**, including **98%** in **Automata**, **92%** in **OOP**, **90%** in **DSA**

LAE Tottenham

A-Levels: Computer Science, Further Maths, Maths, Physics, EPQ

London, UK

Sept. 2020 – May 2022

- Achieved **A*A*A*AA** in all subjects

EXPERIENCE

Mirokai Hackathon

AI & Robotics Developer

April 2025

Remote

- Built a captioning and speech system for Mirokai using **Python**, **PyTorch**, **OpenCV**, **spaCy**, **Hugging Face**
- Captured image streams, extracted key terms, fetched facts and delivered speech using `robot.say()`
- Reverse-engineered undocumented code and tested with Docker + Gazebo simulator

Queen Mary University of London

Demonstrator

Sept. 2024 – Present

London

- Led lab sessions for 500+ students in **MIPS** and **Java**, improving engagement and understanding
- Worked with 15+ demonstrators and provided feedback to enhance student performance

Academic Tutor & Support Staff

Holmewood School, LAE Tottenham, Highgate School

Oct. 2022 – July 2023

London

- Tutored 30+ students in Maths and CS; adapted lessons for SEND and improved 75% of students' grades
- Coordinated 10+ school events with a 100% completion rate

PROJECTS

Chip-8 Emulator | C++

- Built a Chip-8 emulator from scratch with custom instruction decoding, graphics and keyboard support
- Focused on modular design and full opcode compatibility

Portfolio Website | HTML, CSS, JavaScript, PHP, MySQL

- Full-stack blog site with authentication, commenting, and CRUD functionality
- Built using XAMPP for local dev + testing

Weather App (Group Project) | JS, Leaflet, Node.js, Express

- Built responsive dashboard with map, real-time weather, and mobile layout
- Fetched and displayed 5 local attractions using a backend API
- Created custom settings page and helped deliver a polished MVP

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, PHP, MySQL, C++

Tools: Git, GitHub, VS Code, VS, XAMPP, Docker

Libraries: Swing, Leaflet, PyTorch, OpenCV, spaCy, BLIP