

ALI YIGIT UZUN

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EDUCATION

University College London

BSc Computer Science — First-year average: 65.00/100

Relevant modules: Computer Architecture and Concurrency, Logic and Database Theory, Software Engineering, Systems Engineering

London, United Kingdom

September 2025 – June 2026

PROFESSIONAL EXPERIENCE

Computer Science Intern

Turkish Airlines Technology

Istanbul, Turkey

July 2026 – August 2026

- Applied Isolation Forest unsupervised anomaly detection to consolidated air-cargo sensor readings, identifying outlier patterns linked to potential damage events without requiring labelled training examples.
- Developed a FastAPI and React intelligence layer to surface sensor anomalies as actionable alerts and operational insights; contributed to a proposal estimating up to \$250K in annual damage-claim savings.

PROJECTS

CVSmith | SwiftUI, Python, FastAPI, SQLite, LaTeX, MCP

- Developed a local-first macOS CV application with deterministic bullet scoring, ranking and selection based on user-defined relevance tags and ratings, separating algorithmic content selection from AI generation.
- Modelled CVs as independently selectable sections, entries and bullets in SQLite; implemented SwiftUI-FastAPI interfaces, OpenAPI contracts, local LaTeX compilation and an MCP integration for agent access.

Engram | JavaScript, Browser APIs, PDF.js, Manifest V3

- Built a Chrome/Firefox RSVP reading extension with adjustable word-stream pacing and an interactive DOM content-selection workflow for isolating relevant page blocks from navigation, comments and other noise.
- Implemented content-aware checkpoints for headings, lists, tables, code and media to preserve reading context; integrated PDF.js for local document extraction without server uploads.

Konductor | Agent Orchestration, MCP, Client-Server Architecture

- Designed a distributed agent-orchestration system separating a project-state control plane from locally running agents, with MCP-based progress reporting, task coordination and interchangeable execution harnesses.

ROLES OF RESPONSIBILITY

Treasurer

UCL Game Development Society

London, United Kingdom

2026 – Present

- Manage society budgeting and expenditure planning, working with committee members to allocate resources across game-development events and activities.

Course Representative

UCL Computer Science

London, United Kingdom

September 2025 – June 2026

- Represented the Computer Science cohort in departmental meetings; designed student polls, synthesized recurring feedback and communicated academic priorities and meeting outcomes to students and staff.

Co-President, Ethical Hacking Club

Uskudar American Academy

Istanbul, Turkey

September 2021 – June 2025

- Placed 3rd nationally in the Bayrak Sende CTF; led hands-on security sessions for 40+ students and assessed a school website with Burp Suite, identifying weakly encrypted session cookies.

TECHNICAL SKILLS

Languages: Python, JavaScript, Swift, SQL, HTML/CSS | Frameworks: FastAPI, React, SwiftUI, Node.js
Tools: Git, GitHub, SQLite, LaTeX, PDF.js, OpenAPI, MCP, AWS S3 | Concepts: Algorithms, Anomaly Detection, REST APIs, Data Modelling, Cybersecurity