

Zafer Siar Konyar

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EDUCATION

University of Greenwich

2023 – 2026

BSc Computer Science, First-Class Honours

EXPERIENCE

AI Engineering Intern

Aug 2026 – Present

Kuro Data AI

- Building a containerised ELT pipeline in pure Python: extracts raw data, loads it into PostgreSQL running in Docker, and transforms it with pandas and NumPy.
- Preparing and cleaning raw data for downstream use, surfaced in a Streamlit app; CI via GitHub Actions, with weekly code review.

Mobile App Developer Intern

Apr 2025 – Sep 2025

Mirako

- Developed features in TypeScript for React Native (Expo) mobile apps inside a shared monorepo.
- Managed shared dependencies and packages across multiple parallel Expo apps, and produced builds with EAS.

Software Developer Intern

Apr 2024 – Sep 2024

Erguvan

- 550+ institutional users across 34 countries trade on Erguvan's ECM Terminal; climate-fintech startup backed by Emirates NBD and partnered with Garanti BBVA.
- Built full-stack features in Next.js and TypeScript for the carbon credit / REC trading platform and the Azalt ESG data management platform (T3 stack, Tailwind CSS).
- Designed database schemas with Prisma and built end-to-end typed API layers in TypeScript.

PROJECTS

Hercule: AI-Powered Fitness Tracker | React Native (Expo), TypeScript, Firebase, Genkit, Gemini

[gethercule.app](#)

- Built a cross-platform fitness tracker in React Native (Expo) and TypeScript on a Firebase backend; shipped to the App Store and Google Play, 50 users so far.
- Built an AI gym coach (public beta): a server-side Gemini agent built with Genkit that calls typed tools to read each user's own workout logs and answer from their real training history.
- Agent returns schema-validated structured output, not just chat: a 7-day training plan rendered as an accept-or-edit card, protected by per-user token quotas and rate limiting.

A Way Out: Focus and App Blocker | Swift, Screen Time API, Core NFC

[awayout.app](#)

- Built and shipped a free iOS focus app in Swift that locks distracting apps until the user scans a physical NFC tag.
- Used Apple's Screen Time API (FamilyControls, ManagedSettings) to block apps at the OS level, and Core NFC to read the unlock tag.

Crypto Transaction Batching | Solidity, Blockchain

[github.com/siarkonyar/001349934-FYP_Code](#)

- Final-year project: wrote Solidity smart contracts for a decentralised app that batches and schedules crypto transactions to cut their carbon footprint.
- Evaluated how different transaction grouping strategies affect gas cost and overall energy use.

Desktop Event Scheduling App | Java, JDBC, SQLite

[github.com/siarkonyar/jvm-event-planner](#)

- Team project: built the persistence layer in Java with JDBC and SQLite, using the repository pattern for full CRUD operations.
- Modelled the domain in UML and implemented it as object-oriented Java class structures.

Distributed Chat System | Java, WebSockets

- Team project: built a real-time Java chat system over WebSockets with public and private messaging.
- Implemented coordinator reassignment so the system stays up when the coordinator disconnects; wrote 50+ unit tests.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, SQL, Swift, Solidity

Frameworks: React, Next.js, React Native (Expo), Spring Boot, Tailwind CSS

AI: Gemini, Genkit, LLM tool calling, structured output

Tools & DevOps: Git, GitHub Actions, Docker, dbt, Prisma, Firebase, EAS

Data & Databases: pandas, NumPy, Streamlit, PostgreSQL, SQLite, Firestore

Cloud: Azure, Vercel, Cloudflare Pages

Spoken: English (Fluent, C2), Turkish (Native)