

Mohamad Ala

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EDUCATION

Middle East Technical University

Bachelor of Science in Computer Engineering

Ankara, Turkey

June, 2025

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Dart, C/C++, Kotlin, x86 Assembly

Technologies: Next.js, React, Flutter, Express.js, Node.js, Django, Git, Docker, PostgreSQL, MongoDB, Redis, Supabase, SQLite, PyTorch, TensorFlow, GCP, Cloudflare, Firebase, GitHub Actions, GitLab CI, Electron, Playwright, Vite, HTML, CSS, Verilog

Spoken Languages: English (TOEFL iBT 115/120; SAT 1540/1600), Arabic (native)

EXPERIENCE

Full-Stack Engineer | *LMK Consulting*

March 2026 – Present

- Own end-to-end development of ScholarKey, an admissions CRM and family application portal built with React, Hono, Better Auth, Cloudflare Workers, D1, and R2

Founder & Full-Stack Engineer | *UniGPT.org*

March 2026 – Present

- Built and launched an AI college-essay platform with Astro, React, Gemini, Hono, Better Auth, Cloudflare Workers, and D1, including essay feedback, authentication, usage controls, and billing

Full-Stack AI Engineer

July 2025 – Present

Christie Miller Consulting

London, United Kingdom

- Built an Agentic research and data extraction tool for US university datasets; deployed web version on Cloudflare (D1, R2) with Next.js, and local version with Electron, React, and Vite
- Built a Full-Stack multi-modal AI Interviewer deployed on Cloudflare Workers with D1 and Supabase, using Lit + Vite for front-end and Express.js for backend

Flutter Developer

Jan 2024 – December 2024

Zuolfa.com

Mersin, Turkey

- Built Flutter UI components from Figma designs for iOS and Android; contributed to backend integration using Spring Boot

Backend Engineering Intern

July 2023 – Sept 2023

Amani AI

Istanbul, Turkey

- Built URL-shortening API with Django REST Framework, implemented encryption and JWT authentication, set up databases, and migrated the database from SQLite to PostgreSQL
- Conducted unit testing and security-focused code reviews

PROJECTS

VAE Automatic-Dimensionality Reduction Research | *Machine Learning Research* | Paper

2025

- Researched novel VAE dimension reduction method with Dr. Hazal Mogultay as my supervisor
- Achieved consistent convergence to optimal dimensionality on dSprites dataset without grid search, matching or exceeding manual optimization performance
- Led research efforts and authored the paper, which was presented at the 2025 METU Guided Research Symposium

LaundryBuddy++ | *Full-Stack Development* | Link

2025

- Built a Flutter app using the Gemini API for clothing label scanning and management. Implemented most of the UI, chat with context, virtual try-on, and laundry batching. Built and deployed the demo site with Next.js

Mobile Apps (Published) | *Independent Development* | Sleep Timer | Dord

2024 – Present

- Developed and published two independent apps to the Google Play Store: Sleep Timer (utility with active user base) and Dord (word game with Google Play Games integration and progress backup). Both built with Flutter, with native components in Kotlin/C++

AWARDS

Google Bug Bounty | *Cybersecurity and AI-safety*

2024

- Discovered and reported a high-risk vulnerability in a Google AI system, for which I received a monetary reward