

Alp Afyonluoğlu

Backend developer & deep-learning enthusiast, interested in distributed systems and deep generative networks, passionate about seamlessly integrating self-learning intuitive systems into daily life and challenging algorithms' boundaries.

EDUCATION

Bilkent University, Faculty of Engineering, Ankara, Turkey

2020 – EXPECTED 2024

- B.S. in Computer Engineering; CGPA: 3.47/4.00
- %60 merit scholarship in 2021 Fall – 2022 Spring.

Private Bilkent High School, Ankara, Turkey

2016 – 2020

- International Baccalaureate (IB) Diploma Programme graduate.
- IB diploma grade: 38/45 & MoE diploma grade: 93.4/100

EXPERIENCE

Jotform, Ankara, Turkey – Part Time Backend Support Engineer

SEP 2022 – PRESENT

- Contributed to two products: Jotform Approvals and Forms.
- Worked on improving and ensuring smooth software operations on the backend by resolving bugs through systematic debugging processes.

Aselsan, Ankara, Turkey – Software Design Engineer Intern


JUL 2023 – AUG 2023

- Developed a blockchain system for file storage from scratch. Individual project.
- Created a given number of Dockerized node instances dynamically with bash script, set up virtual networks and ensured communication over HTTP via REST.
- Implemented automated node discovery, linking, and data broadcasting via flood fill. Made the system accept file upload/download via any node.
- Implemented a chain management system to hold multiple chains and choose the one that is the most trustworthy.
- Implemented backend in JavaScript using NodeJS & Express, database using MySQL; used Docker to containerize the node algorithm.
- Researched and simply experimented with unit testing and Kubernetes.


Jotform, Ankara, Turkey – Backend Developer Intern

JUL 2023 – AUG 2023

- Developed the backend of 2 intern projects communicating with Jotform API to implement new features to Approvals. Used PHP, MySQL and MVC pattern.
- The Multiple Approval project made it possible to send approval requests to multiple users in parallel while setting various approval conditions.

 **LinkedIn:** alpafyonluoglu

 **GitHub:** alpafyonluoglu

 **Web:** alpafyonluoglu.dev

 (Hidden in public CV)

 (Hidden in public CV)

 Ankara, Turkey

TECHNOLOGIES

Python | Go | Java | JS | C/C++
PHP | Spring Boot | NodeJS | Flask
Git/GitHub | Docker | SQL | GCP
REST API | Firebase | PyTorch
GitHub Actions | MATLAB | HTML
CSS | Android Studio | Assembly
System Verilog | Bash | Arduino

SOFT SKILLS

Quick learner | Self motivated
Organized | Problem solver
Hard Worker | Team player
Time management

AWARDS & ACHIEVEMENTS

Bilkent University Honor
(2022 Spring), High Honor
(2020 – 2022, 2023 Fall)

The Duke of Edinburgh's
International Award – Silver

TDSF Tango Competitions
2019: 4th place & 5th place.

Attended 12th MoE Robot
Competition, earned 10th
place with a smart glass
prototype out of 84
contestants.

LANGUAGES

English: Professional
working proficiency (C2)

French: Introductory (A2)

Turkish: Native

- The Notes project allowed users to add quick notes to anywhere on the workflow.

PROJECTS

Capsule, Bilkent University – ML Powered Recommendations

SEP 2023 – PRESENT

- iOS app, providing a platform for users to manage their outfit combinations, get personalized outfit recommendation and access analytics about their wardrobes.
- Structured U-net-based hierarchical segmentation model for extracting clothing items from selfies.
- Implemented custom fine-grained classification model for labelling images.
- Implemented matching model to match an image with the most similar one.
- Used PyTorch on Python. Group project, worked on the ML part.

Coview, Bilkent University – LLM Code Reviewer

FEB 2024 – PRESENT

- Multi-agent LLM powered code review assistant, as a GitHub app. Group project.
- Provides accurate code reviews via global code indexing and cross-checking ChatGPT & Gemini responses with a multi-agent conversation framework.

Workflowy Encrypter – Script Injection for Encryption

NOV 2023 – PRESENT

- Browser extension providing seamless client-side encryption for Workflowy.
- Injects custom script to monitor and modify all incoming and outgoing network requests. Individual project, open sourced on GitHub.
- 23 global users and growing. (Users gained organically, from 13 continents to date.)

Spotlite, Bilkent University – P2P Music Streaming

SEP 2023 – DEC 2023

- Peer-to-peer distributed music streaming platform. Group project.
- Implemented communication of main server over TCP socket.
- Main server in Golang, clients in Python, communication via TCP sockets.

LinkedOut, Bilkent University – Social Media Platform

FEB 2023 – JUN 2023

- LinkedIn-like career-focused social media platform, web app.
- Wrote raw advanced SQL queries. Group project, worked on backend side.
- Backend written in Spring Boot, containerized with Docker, data stored in PostgreSQL. Used MVC pattern OOP approach, and data patterns.

Ada Assistant – SMS chatbot

JUN 2018 – DEC 2020

- Chatbot, replying to missed calls via SMS, analyzing coarse device location and calendar events to perform actions on the device accordingly. Individual project.
- Android app, developed in Java.

ACTIVITIES

Member of the Google Developer Student Club, ACM, cyber security, and music clubs.

Interested in competitive programming competitions; attended Hash Code 2022.

Playing drums (9 years), tango (3 national federation competitions), photography, chess, hiking.

TECHNICAL ELECTIVES

Distributed Systems and Algorithms

Software Architecture Design

Application Lifecycle Management

Deep Generative Networks

Introduction to Machine Learning