

İdil Zeynep Alemdar

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WORK EXPERIENCE

Ming, İstanbul, Turkey

- Backend Software Engineer & Software Architect Jul 2024 – Oct 2025
 - Backend engineer at Ming, a mobile platform that increases in-company interaction, motivation, performance and loyalty of employees through gamification practices.
 - Technology stack: Java, Spring, Spring Boot, PostgreSQL, Apache Kafka, Docker, Docker Compose, KrakenD, Linux

Ouva, San Fransisco, CA, USA

- Backend Software Engineer Feb 2024 – Jun 2024
 - Backend engineer at Ouva, responsible for developing the backend infrastructure of the computer vision based patient monitoring product.
 - Technology stack: Java, Spring, Spring Boot, PostgreSQL, Apache Kafka, Apache Spark, GraphQL, Docker, Docker Compose, Kubernetes

Dataroid, İstanbul, Turkey

- Backend Software Engineer Aug 2022 – Jan 2024
 - Responsible for the backend development of Dataroid: Digital analytics, customer engagement and omnichannel marketing platform.
 - Technology stack: Java, Spring, Spring Boot, ElasticSearch, PostgreSQL, Apache Airflow, Apache Kafka, Unix

Aselsan, Ankara, Turkey

- Software Engineer Nov 2021 – Jul 2022
 - Developing public safety & mission critical communication software under Aselsan's Communication & Information Technology department.
 - Technology stack: C/C++, PostgreSQL

WINS Lab, METU, Ankara, Turkey

- 5G Researcher Oct 2019 – Jul 2022
 - Conducting research on the upcoming 5G technology as a part of a graduate scholarship program 5G OLDLP.
 - Thesis topic: Programmable Data Plane in 5G, advised by Prof. Dr. Ertan Onur

EDUCATION

Middle East Technical University, Ankara, Turkey

- M.S. in **Computer Engineering** Sep 2019 – Jul 2022
 - Cumulative GPA: 3.71 / 4.0
 - Dropped out at the thesis stage
- B.S. in **Computer Engineering** Sep 2014 – Jun 2019
 - Cumulative GPA: 3.39 / 4.0, Honor Roll Student

İstanbul Erkek Lisesi, İstanbul, Turkey

- High School degree in the German foreign school Sep 2009 – Jun 2014
 - GPA: 94/100, with focus on Maths&Sciences
 - German Gymnasium Abitur Diploma: 1.9/4.0 (1.0 is the best score and 4.0 is the worst)

PROGRAMMING LANGUAGES

Java, C, C++, Python, Bash

TOOLS & FRAMEWORKS

Spring, Spring Boot, SQL (MySQL, PostgreSQL), Docker, ElasticSearch, git, Apache Kafka, Apache Spark, Apache Airflow, Unix, GNU/Linux, L^AT_EX

LANGUAGES

- Turkish: Native language
- English and German: Fluent
- French: Elementary

**CAMPUS
ACTIVITIES**

Computer Club, METU

- Board Member
 - Board member responsible for sponsorship arrangements for the annual Programming Contest held by the CClub.

May 2016 – May 2017

METU Science Fiction and Fantasy Society, METU

- Club Member
 - Been in annual RPG conventions held by SFFS as organizer and contributor.

Oct 2014 – Oct 2022

PUBLICATIONS

I. Z. Alemdar and E. Onur, “Max-min fair bandwidth allocation in millimeter-wave radio clusters,” in *International Conference on Network and Service Management (CNSM)*, 2021.
I. Bozcan, Y. Oymak, I. Z. Alemdar, S. Kalkan, ”What is (missing or wrong) in the scene? A Hybrid Deep Boltzmann Machine For Contextualized Scene Modeling”, in *International Conference on Robotics and Automation (ICRA)*, 2018. (ArXiv)

INTERESTS

Playing piano and bass guitar, running, hiking, camping, space observation, reading, playing tabletop RPG and video games.