Ahmet **Uysal**

Co-Founder · Unicourse

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Education

Koç University   *İstanbul, Turkey*
B.S. in Computer Science and Engineering   *Sep. 2016 - Dec. 2020*
- Ranked 2nd in Computer Engineering Department and 3rd in university with 4.04/4.00 GPA.
- Ranked in the first 100 in National University Entrance Exam and received full scholarship from Koç University.

Experience

Unicourse (unicourse.co)   *İstanbul, Turkey*
Co-Founder   *Aug. 2020 - PRESENT*
- Unicourse is an online learning platform providing on-demand study resources for university midterm and final exams.
- Led all technical development. Used NextJS, TypeScript, TailwindCSS, MUI, React Query on the frontend; NestJS, Prisma, PostgreSQL on the backend; and AWS services for deployment, video processing, and content delivery.

Trendyol   *İstanbul, Turkey*
Software Engineering Intern   *Jun. 2019 - Aug. 2019*
- Built a Git-based dynamic configuration management system with validation capability using Spring, Angular, RabbitMQ and Bitbucket APIs.

Publications

- Caner Korkmaz, Halil Eralp Koçaş, Ahmet Uysal, Ahmed Masry, Öznur Özkasap and Barış Akgün, Chain FL: Decentralized Federated Machine Learning via Blockchain. *Second International Conference on Blockchain Computing and Applications (BCCA)*, Nov. 2020, DOI: 10.1109/BCCA50787.2020.9274451
- Basheer Al-Duwairi, Öznur Özkasap, Ahmet Uysal, Ceren Kocaoğullar and Kaan Yıldırım, LogDoS: A Novel logging-based DDoS prevention mechanism in path identifier-Based information centric networks. *Computers & Security*, Dec. 2020, DOI: 10.1016/j.cose.2020.102071

Projects

Mahlas (mahlas.co)   *Apr. 2021 - PRESENT*
- Mahlas, Turkish for "Pen name", is an invite-only space for your university. You can post anonymously, pseudonoymously, or with your name.
- Used React Native, Relay, and TypeScript to build the mobile app; implemented backend using NestJS, GraphQL, PostgreSQL, Prisma, and AWS.

Proland   *Mar. 2018 - Aug. 2018*
- Proland is a machine learning solution to help farmers choose the best product for them using only a mobile application. It uses last years' crop specific harvest data and monthly weather conditions such us temperature, wind and precipitation to give yield estimates for crops.
- Competed in Imagine Cup, one of the biggest student technology competitions, and qualified for the World Finals as one of the top 50 teams.

Extracurricular Activity

CSBridge (Stanford University - Koç University)   *İstanbul & İzmir, Turkey*
Section Leader   *Summer 2018, 2019, 2020 & 2021*
- Took part in creating CS Bridge program in İzmir as an Head Section Leader. Conducted interviews to recruit the İzmir SL team, monitored sections and office hours to provide feedback, mentored SL team before and during the program.

KOLT Python Certificate Program   *Koç University, İstanbul, Turkey*
Founder & Instructor   *Feb. 2019 - Jun. 2020*
- Created a certificate program that aims to teach basics of computer science to students from nontechnical majors using Python.
- Prepared lecture slides, examples, assignments, and created the course website. Managed a team of 8 volunteers.

COMP 130/131, Introduction to Programming   *Koç University, İstanbul, Turkey*
Section Leader   *Sep. 2017 - Dec. 2018*
- Prepared homework assignments and conducted programming sections for the introductory programming course (Java).

Honors & Awards

2020	**1st Place,** Gamification Hackathon	*İstanbul, Turkey*
2019	**1st Place,** Pixery Hackathon	*İstanbul, Turkey*
2019	**1st Place,** ÇiçekSepeti Hackathon	*İstanbul, Turkey*
2018	**Finalist,** Imagine Cup World Finals	*Seattle, U.S.A*