

Berkay Barlas

ELECTRICAL & ELECTRONICS · COMPUTER ENGINEERING

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Education

Koc University

B.S. ELECTRICAL & ELECTRONIC AND COMPUTER ENGINEERING

Istanbul, Turkey

Oct. 2015 - Exp. May. 2020

- GPA 3.78 / 4.00
- Received Semahat Arsel Scholarship which is given to top 300 among 2 million Students in National University Exam.

Science High School

Tokat, Turkey

RANKED 1ST AMONG MORE THAN 1 MILLION STUDENTS IN TURKISH HIGH SCHOOL ATTAINMENT EXAM

Oct. 2011 - May. 2015

Experience and Projects

Topic Based Chat Application

PERSONAL PROJECT

Oct. 2018 - Present

- Developing React web application which users can create and join public topic groups, and chat.
- Building a web service with Node.js, Express, MongoDB.

Trendyol.com

SOFTWARE DEVELOPER INTERN

Istanbul, Turkey

July. 2018 - Dec. 2018

- Developing web services using REST API, Java Spring Boot, RabbitMQ.
- Implementing new features and microservices to Supplier and Admin Portal.

Koc University, Arcelik Research Center for Creative Industries

Istanbul, Turkey

RESEARCH ASSISTANT

Oct. 2016 - Feb. 2018

- Built and deployed overall Internet of Things(IoT) project with Raspberry pi, camera, temperature and weight sensors.
- Developed native mobile application for Android.
- Used machine learning algorithm for food recognition and several AWS stack including Rekognition, S3, Dynamodb, Lambda.
- Worked on a research about applications of wearable technologies and prototyped the project with Arduino and 3D Printing.

Skills

Programming Languages Java (Proficient), JavaScript (Proficient), Python

Frameworks Spring Boot, Node.js, React JS/Native, Express, Tensorflow

Languages English (Advanced), Turkish (Native)

Extracurricular Activity

Global Learning and Leadership Program

Koc University

CHANGE MAKER - VICE PRESIDENT OF KOC UNIVERSITY MAKERSPACE LAB

Sept. 2016-Present

- Cofounder of a team which achieved make an impact and open a Makerspace in campus.
- Coordinating team members and arranging workshops about computer science, creative skills, and social innovation.

Algorithm Competition Programme

Inzva, Istanbul

REVIEWER AND PARTICIPANT

Oct. 2018 - Present

- Participating in the 30-week Algorithm Competition Programme, divided into Fall and Spring semesters, which includes lectures, contests, problem-solvings and a variety of practises every Saturday.

Stanford – Koc University CS Bridge Program

TEACHING ASSISTANT

Summer 2017-Summer 2018

- Was section leader of a Java teaching program directed by Nick McKeown who has taught computer science at Stanford for 20 years.
- Was responsible for preparing and grading assignments, conducting problem solving sections, helping students during lab-hours and giving feedbacks to daily assignments.

Honors & Awards

- 2018 **Zeplin Hackathon Special Jury Award**, Awarded as most enthusiastic team to learn new concepts and tools
- 2018 **Dean's High Honor Roll**, Listed in Dean's High Honor Roll for Spring 2017 and Spring 2018
- 2014 **Participated**, TUBITAK Computer Science Camp
- 2015 **Ranked 273th among more than 2 million Students**, Turkish University Attainment Exam