

Berkay Barlas

ELECTRICAL & ELECTRONICS · COMPUTER ENGINEERING

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“Be the change that you want to see in the world.”

Education

Koc University

Istanbul, Turkey

B.S. ELECTRICAL&ELECTRONIC AND COMPUTER ENGINEERING

Oct. 2015 - Exp. May. 2020

- GPA 3.84 / 4.00
- Got Semahat Arsel Scholarship which is given to top students in University Entrance Exam.

Skills

Programming Java (Proficient), JavaScript (Proficient), Tensorflow (Prior Experience), Python
Prototyping Raspberry Pi, AWS, Sensors, Siemens Nx11-3D design
Languages English (Advanced), Turkish (Native), German (Beginner)

Experience

Trendyol.com

Istanbul, Turkey

SOFTWARE DEVELOPER INTERN

July. 2018 - Present

- Working on the back-end side of Marketplace project.
- Implementing new features and microservices to Supplier and Admin Portal.
- Developing REST API using Java Spring Boot Framework.
- Using agile software, pair programming and test driven development methods.

Koc University, Arcelik Research Center for Creative Industries

Istanbul, Turkey

RESEARCH ASSISTANT

Oct. 2016 - Feb. 2018

- Worked on an Internet of Things (IoT) project which was proposed by me and funded by Arcelik.
- Built and deployed overall system and developed simple Android application with Raspberry pi, image, temperature and weight sensors.
- Used machine learning algorithm for food recognition and several AWS stack (Including Rekognition, S3, Dynamodb, Lambda, Cognito).
- Worked on a research about applications of wearable technologies and prototyping the project with Arduino and 3D Printing.

Extracurricular Activity

Global Learning and Leadership Program

Koc University

CHANGE MAKER - VICE PRESEDENT OF KOC UNIVERSITY MAKERSPACE LAB

Sept. 2016-Present

- Cofounder of the team which achieved make an impact and open a Makerspace in campus.
- Managing the team members and coordinating them.
- Arranging seminars and workshops about creative skills, popular topics and social innovation.
- Giving technical advices to students who have projects and helping them to prototype their ideas.

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 CS Bridge Program

Koc University

SECTION LEADER

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.

Association for Computing Machinery Society

MEMBER

- Responsible for organizing IoT and robotics related workshops, conferences for new members.
- Developing tech-projects to attend national and international competitions.

Koc University

Oct. 2017 - Present

AIESEC

GLOBAL VOLUNTEER IN EGYPT

Cairo, Egypt

Summer 2015

- Was a member of an international team of 30 people which was responsible from building a school from throw-out materials in a poor island in Egypt.

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
- 2017 **Vehbi Koc Scholar**, Awarded for SPA over 3.50 /4.00 in Fall 2016, Spring 2017 and Fall 2017
- 2015 **Top Student**, Ranked 200th in Turkish University Attainment Exam
- 2014 **Participated**, TUBITAK Computer Science Camps
- 2014 **Ranked in top 50**, TUBITAK National Middle School Mathematic Olympiads
- 2011 **Ranked 1th**, Turkish High School Attainment Exam