Berkay **Barlas**

ELECTRICAL & ELECTRONICS · COMPUTER ENGINEERING

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Hackerrank: berkayBarlas

"Be the change that you want to see in the world."

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.

Education

Koc University
Istanbul, Turkey

B.S. ELECTRICAL&ELECTRONIC AND COMPUTER ENGINEERING
Oct. 2015 - Exp. May. 2020

- GPA 3.80 / 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)

Extracurricular Activity

Global Learning and Leadership Program
Koc Universtiy

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.

Standford – Koc CS Bridge Program
Koc Universtiy

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

Oct. 2017 - Present

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

AIESEC

Cairo, Egypt

GLOBAL VOLUNTEER IN 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