

# Berkay Barlas

ELECTRICAL & ELECTRONICS · COMPUTER ENGINEERING

Rumelifeneri Yolu 34450 Sariyer, Istanbul

☎ (90) 544 9139955 | ✉ berkay.barlas@outlook.com | 🏠 berkaybarlas.com | 📺 berkaybarlas |  
📺 berkaybarlas Hackerrank: berkayBarlas

## Education

### Technical University of Munich (TUM)

ACCEPTED AS ERASMUS EXCHANGE STUDENT

Munich, Germany

Second Semester 2020

### Koc University

B.S. ELECTRICAL&ELECTRONIC AND COMPUTER ENGINEERING DOUBLE MAJOR

Istanbul, Turkey

Oct. 2015 - Exp. May. 2021

- GPA 3.80 / 4.00

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

### Science High School

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

Tokat, Turkey

Oct. 2011 - May. 2015

## Experience and Projects

### Personal Project - ku-bookshare.github.io

WEB APPLICATION

3+ Months | Mar. 2019 - Present

- Developing React web application which users can donate or borrow books from the shelves among KU campus.

### Trendyol.com

SOFTWARE DEVELOPER INTERN

Istanbul, Turkey

5 Months | July. 2018 - Dec. 2018

- Developed web services using Java Spring Boot, REST API, RabbitMQ .

- Implemented new features and microservices to Supplier and Admin Portal.

### Koc University, Arcelik Research Center for Creative Industries

RESEARCH ASSISTANT

Istanbul, Turkey

1+ Years | Oct. 2016 - Feb. 2018

- Built overall Internet of Things(IoT) project with Raspberry pi and sensors and developed Android Application

- 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, Flutter

**Coursework** Algorithms&Complexity, Parallel Programming, Operating Systems, Database Systems

**Languages** English (Advanced), Turkish(Native)

## Extracurricular Activity

### Global Learning and Leadership Program

CHANGE MAKER - VICE PRESEDENT OF KOC UNIVERSITY MAKERSPACE LAB

Koc Universitii

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

REVIEWER AND PARTICIPANT

Inzva, Istanbul

Oct. 2018 - May. 2019

- Participated 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 CS 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

2019 **Pixery Hackathon'19 Best Project Award**, Ranked 1st among preselected 12 teams

2019 **Ciceksepeti Hackathon'19 Best Project Award**, Ranked 1st among preselected 30 teams

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