Berkay **Barlas**

ELECTRICAL & ELECTRONICS · COMPUTER ENGINEERING

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Education

Technical University of Munich (TUM)		*Munich, Germany*
Exchange student with Erasmus scholarship		*Apr. 2020 - Sept. 2020*
Nanyang Technological University (NTU)		*Singapore*
Exchange student with Full-Scholarship		*Aug. 2019 - Dec. 2019*
Koc University		*Istanbul, Turkey*
B.S. Computer and Electrical&Electronics Engineering Double Major		*Oct. 2015 - Exp. May. 2021*

- **GPA 3.80 / 4.00** | Received scholarship which is given to **top 300(%0.01)** among 2 million students in National University Exam.
- **Coursework:** Algorithms & Complexity, Parallel Programming, Machine Learning (Python), Database Systems

Experience and Projects

Vagon.io — *Remote*
Full-Stack Software Developer — ***7+ Months*** | *Mar. 2020 - Present*

- Working on Web and back-end applications using **React, Ruby on Rails, PostgreSQL, AWS, Docker**.
- Improved live streaming service performance by **30%** using websocket connection and browser decorder APIs.
- Increased fraud detection, prevention methods and changed payment systems. Monthly fraud cases decreased by **80%**.

Mozilla / Firefox Devtools — *Remote*
Open Source Contributor — ***3 Months*** | *Jan. 2020 - Mar. 2020*

- Worked on **Firefox** projects, mainly on **Firefox Devtools**. Solved and reported issues on **Github** and **Bugzilla(Phabricator)**.
- Created previewer that shows the visual content of website in timeline for performance recording tool Firefox Profiler.
- Reworked Firefox reader mode design and integrated reader specific buttons to work with browser settings.

Zeplin.io — *San Francisco,CA & Istanbul*
Software Developer Intern — ***3 Months*** | *Jun. 2019 - Aug. 2019*

- Worked on **React Web and Electron Windows** applications and developed components that are used across all application.
- Migrated Profile Pages(Account settings, Billing, Subscriptions) **to React JS** from vanilla **Javascript, HTML, CSS**.
- Reduced code redundancy around **30%** in Profile Pages and increased loading speed around **10%**.

Trendyol.com — *Istanbul, Turkey*
Software Developer Intern — ***5 Months*** | *Jul. 2018 - Dec. 2018*

- Developed web services for seller interface of e-commerce application using **Java Spring Boot, REST API, RabbitMQ** .
- Implemented new microservice features to Seller Portal that are used for adding and tracking products in marketplace.

Extracurricular Activity

Stanford d.school | University Innovation Fellows (UIF) — *Stanford University, California*
University Innovation Fellow — *Oct. 2019 - Present*

- Concluded a 7 week-long design thinking, innovation, and entrepreneurship online education.
- Created an orientation program with faculty that aims to give new student a better overview of university.

Global Learning and Leadership Program — *Koc Universtiy*
Cofounder of Koc University Makerspace Lab — *Sept. 2016 - Nov. 2019*

- Funded by engineering faculty to design the space and chose the required tools after one year of pivot project.
- Coordinated team members and arranged workshops about computer science, creative skills, and social innovation.
- In Spring 2019, **40%** of all senior engineering projects developed in fully student driven Makerspace.

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.
- Prepared and graded assignments, coordinated problem solving sections.

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
2015	**Ranked 273th among more than 2 million Students**, Turkish University Attainment Exam