

Berkay Barlas

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Education

Georgia Institute of Technology (GaTech)

M.Sc COMPUTER SCIENCE

Atlanta, US

Aug 2021 - Exp. May 2023

GPA 4.0 / 4.0 | Coursework: Adv. Operating Systems, Distributed Systems, Big Data Sys.

Koc University

B.S. COMPUTER ENG. MAJOR AND ELECTRICAL&ELECTRONICS ENG. DOUBLE MAJOR

Istanbul, Turkey

Oct 2015 - May 2021

Technical University of Munich (TUM), Germany and Nanyang Technological University (NTU), Singapore Exchange student

Received 100% scholarship which is given to top 300(0.01) among 2 million students.

Experience

Google

San Francisco, CA

Software Engineering Intern

3 Months | Aug 2022 - Nov 2022

- Designing a tool that tracks and identifies latency changes in Google Cloud Products and pinpoints possible reasons.
- Creating a typescript dashboard and Go back-end that aggregates billions of logs using SQL queries and displays visual graphs.

Apple

Cupertino, CA

Software Engineering Intern

3 Months | May 2022 - Aug 2022

- Worked as a member of Safari iOS team. Solved Safari macOS and WebKit bugs using Objective-C.
- Designed, proposed, and implemented features for the next major release that more than 1 billion users will use.

Vagon.io

Remote

Full Stack Software Developer

18 Months | Mar 2020 - Present

- Maintained Web and back-end applications using React JavaScript, Ruby on Rails, Postgre SQL, AWS, Docker.
- Enhanced live streaming service performance 30% using WebSocket connection and browser decoder APIs.
- Slashed monthly fraud cases 80% by implementing improved payment systems with fraud detection, prevention methods.

Mozilla / Firefox Devtools

Remote

Open Source Contributor

3 Months | Jan 2020 - Mar 2020

- Identified and fixed bugs on Github and Bugzilla(Phabricator) under Firefox projects, mainly on Firefox Devtools.
- Reworked Firefox reader mode design and integrated reader-specific buttons to work with browser settings.

Zeplin.io (Y Combinator Start-up)

San Francisco, CA & Istanbul

Software Developer Intern

3 Months | Jun 2019 - Aug 2019

- Designed React front-end and Electron applications and developed components that are used across all applications.
- Redesigned and reduced code redundancy and increased loading speed by around 30% and 10%, respectively, in Profile Pages.

Trendyol.com (Alibaba Group)

Istanbul, Turkey

Software Engineering Intern

5 Months | Jul 2018 - Dec 2018

- Developed web services for seller interface of e-commerce application using Java Spring Boot, REST API, Kubernetes.

Projects

Senior Design Project | ugrad.co

Best CS Project Award, Fall21

PRIVATE SOCIAL NETWORK FOR SCHOOLS

Mar 2021 - Jun 2021

- Led a team of 4 people to design and publish a social network for university communities that provides total anonymity.
- Programmed fast and secure back-end, and designed NoSQL database models using Node.js, Express, MongoDB, and AWS.

Senior Design Project | fundeus.xyz

Best EE Project Award, Spring20

EYE DISEASE CLASSIFICATION SYSTEM

Oct 2020 - Jan 2021

- Implemented Machine Learning algorithms that can classify cataract, glaucoma, and diabetic retinopathy from fundus images.
- Designed the overall scalable cloud architecture and prepared front-end, back-end of the project using React, Python, and AWS.

Extracurricular Activity

Stanford University Hasso Plattner Institute of Design (d.school)

Stanford University & Remote

UNIVERSITY INNOVATION FELLOW

Oct. 2019 - Present

Concluded a 7-week-long design thinking and innovation course, brainstormed and launched new ideas.

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.

Honors & Awards

- 2019 Pixery Hackathon'19 Best Project Award, Qualified 1st among preselected 12 teams
- 2019 Ciceksepeti Hackathon'19 Best Project Award, Qualified 1st among preselected 30 teams
- 2015 Ranked 273th (0.01) among more than 2 million Students, Turkish University Attainment Exam
- 2011 Ranked 1st (0.0001) among more than 1 million Students, Turkish High School Attainment Exam