



BARTU ATABEK

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Persevering software engineer specializing in building and occasionally designing exceptional applications, websites, and everything in between.

EXPERIENCE

Software Engineer

Feb 2021 – present

MilSOFT Software Technologies

Ankara, Turkey

- Participating in the development, maintenance, and testing of Tactical Data Link Systems for transmitting and exchanging real time tactical data among surface, subsurface, air, and land platforms; between network participants using C++ over a DDS based distributed environment.

Software Engineering Intern

Aug 2019 – Sep 2019

MilSOFT Software Technologies

Ankara, Turkey

- Implemented target capturing for drones in a swarm, network transmission of the target data to the desktop application for monitoring on the map.
- Helped solidify target management system to view the target information and give commands to drones to capture new target images.
- Worked with a variety of different languages, frameworks, and content management systems such as Java, C++, OpenCV, Tensorflow, SVN, Jira, etc.

Software Engineering Intern

Jul 2019 – Aug 2019

OBSS Technology

Ankara – Istanbul, Turkey

- Participated among the top-performing 20 students to spend an additional two weeks at an intensive Spring & React training program in Istanbul.
- Built simple command-line programs to full-stack web applications with SQL databases using J2EE, Spring and ReactJS frameworks.

Software Engineering Intern – iOS

Jul 2018 – Sep 2018

VLMedia Inc.

Ankara, Turkey

- Worked on the system design and implementation of a tracking & sharing application per the product, design and other engineering teams (i.e. Android, Backend).
- Designed cloud architecture & RESTful API using Google's Firebase service to achieve a coherent experience in different platforms.

PROJECTS

FULL LIST OF MY PROJECTS WITH DETAILS CAN BE FOUND IN MY PORTFOLIO

Neverwhere – Senior Design Project & iOS Application

Jan 2019 – June 2020

- Leading a team of 4 engineers, responsible for product management, design and iOS.
- Spearheaded the development of core features, i.e. AR, moments, memories, auth, etc.
- Maintaining scalable databases, clustering algorithms, and UI/UX features implemented in Swift and TypeScript.

tinitron – Microservice API & iOS/macOS Application

Feb 2020 – present

- A cloud-native, open-source URL shortener application built using Spring & iOS/macOS (Swift) & GCP technologies and frameworks.
- Launched on the App Store to reach over 700+ downloads worldwide.

ACADEMICS

Master of Science - MSc, Cognitive Science

2021 – present

Middle East Technical University

Pursuing my Master of Science degree in Cognitive Science, specializing in HCI with visual and spatial cognition.

Researcher

2020 – 2021

BILSEN Research Group

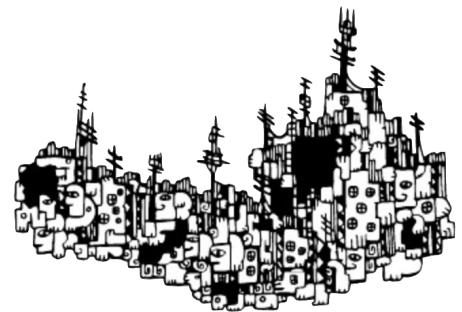
Conducted research at Bilkent University Software Engineering and Data Analytics Research Group on innovative visual code review tools and co-authoring a research paper. Consulted on HCI research and related areas.

Bachelor of Science - BS, Computer Science

2016 – 2020

Bilkent University Graduated With Honors

Electives: Computer Networks, Image Analysis, Parallel Computing, Application Lifecycle Management, Cloud Computing and Mobile Applications, Interface Design Studio, Introduction to Psychology, Essentials of Photography



SKILLS

Industry Knowledge

OOP UX Research & Design RDBMS
Scrum Design Patterns Presentations
Vision Leadership Pitching UML
RESTful APIs Full-Stack Development

Programming Languages

Advanced: Swift Java C/C++ HTML/CSS

Intermediate: MATLAB TypeScript PHP

Python SQL SystemVerilog

Libraries & Frameworks

SwiftUI SpringBoot Hibernate Maven J2EE
JavaFX reactJS MPI/OpenMP CUDA LaTeX

Tools & Platforms

Git Firebase Google Cloud Platform Docker

Design

Sketch Adobe Creative Cloud Zeplin

ACHIEVEMENTS

- Visual Designer Award, CSFair'20**
Given to the student with the highest ability to produce nice-looking, smooth, user-friendly, and state-of-the-art graphical user interfaces.
- Wide Impact Project Award, CSFair'20**
Awarded to my senior design project Neverwhere for the project that reaches the widest audience.
- 1st Place in Elevator Pitch, 13th Ankara Startup Battlefield**
Took 1st place in the Elevator Pitch category and also, won a secondary award to participate in the İş Bank's Workup program.
- Career Plus Engineering Camp 2019 Attendee**
Chosen to attend as one of sixty applicants for 3IK's Career Plus Engineering Camp in Istanbul, Turkey. Competed in case studies and activities from various companies.

CERTIFICATIONS

MORE ON LINKEDIN

- User Experience Research and Design Specialization, Coursera**
University of Michigan
- Building Scalable Java Microservices with Spring Boot and Spring Cloud, Coursera**
Google Cloud
- Deep Learning Specialization, Coursera**
deeplearning.ai
- iOS App Development Bootcamp, Udemy**
London App Brewery & Angela Yu
- Web Developer Bootcamp, Udemy**
Colt Steele
- TOEFL iBT, ETS**
107/120 (Nov 2019)

