



# BARTU ATABEK

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

## EXPERIENCE

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 Ankara, Turkey

- Assigned to an individual project of implementing a web application and was responsible for the system design and implementation of an iOS app.
- Worked on implementing the product in accordance with 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 500+ downloads worldwide.

Bias – Java Application & UI Library Feb 2016 – Feb 2017

- Developed a platform independent desktop assistant in Java & JavaFX for the use of Bilkent students during their college life.
- Designed custom components using JavaFX and created an open source UI library in GitHub.
- Lead presentations & demos for the freshman students as a guide to help them with their projects.

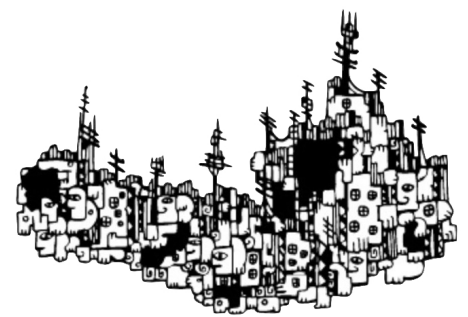
## EDUCATION

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

IB Diploma & High School Diploma 2012 – 2016  
TED Ankara College

International Baccalaureate (IB) Courses: Physics HL, English B HL, Turkish A HL, Mathematics SL, Chemistry SL, ESS SL, Theory of Knowledge



## SKILLS

### Industry Knowledge

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

### Programming Languages

Advanced: Swift   Java   C/C++   HTML/CSS  
Intermediate: MATLAB   TypeScript   JavaScript  
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 3IK's Career Plus Engineering Camp in Istanbul, Turkey. 60 applicants were chosen from different universities around Turkey.

## 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)

