

Ibrahim Eren Tilla

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Istanbul, Turkey

EDUCATION

- **Bilkent University**

Bachelor's Degree in Computer Engineering: Top %25 of class

Ankara, Turkey

August 2017 – July 2021

EXPERIENCE

- **Vadi Enterprise Information Systems**

Software Engineer Intern

Istanbul, Turkey

July 2020 – October 2020

- Implemented a web-based application that receives and analyzes the data from various gas sensor kits over Istanbul using IoT. **Used AWS IoT Core, IoT Analytics, and AWS DynamoDB.**
- Established and tweaked communication through UART communication protocol over STM32 MCUs.
- The application is currently being **used by 7 district municipalities** in Istanbul.

- **Turkish Airlines**

Software Engineer Intern

Istanbul, Turkey

July 2019 – September 2019

- Designed and built a user agreement program with an internship project team that was deployed and is currently being **used by 200+ people** in the company.
- Used Python 3 to connect the system to MS SQL database to store large amount of field data.

PROJECTS

- **CodeGiant**

Database Systems Project

- A web-application of a coding practice & interview system (e.g., HackerRank, LeetCode).
- Worked on the **back-end** of the website and created **RESTful APIs** using **Node.js** and **Express.js**.
- An integrated system that can support **thousands of users**, code can be found at [GitHub](#).

- **Crossword Solver**

Artificial Intelligence Project

- An open-source **AI program** to solve The Mini Crossword from NYTimes.
- Downloads the clues and solves it through searching online dictionaries.
- Code can be found at [GitHub](#).

- **Settlers of Catan**

OOP Project

- Implemented the popular board game "Settlers of Catan" in Java, using JavaFX with Scene Builder.
- Focused on learning proper documentation and creating **analysis & design** reports, emphasizing on the **application lifecycle management**.
- Code can be found at [GitHub](#).

- **Evacuation Elevator**

Digital Design Project

- A program that aims to evacuate the residents of a building in an emergency situation as fast as possible.
- Implemented in **SystemVerilog** and **visualized** on a logic board using **BASYS3** (FPGA).

PROGRAMMING SKILLS

- **Languages:** Java, C++, HTML5, CSS, JavaScript, Python

- **Tools/Technologies:** Git, Amazon Web Services, IoT, NodeJS, ExpressJS, Django, Azure, JavaFX

ACHIEVEMENTS

- Placed **984th** on the national admission exam in Turkey where roughly **1.2 million people** attend, ranking within the **top 0.08% percent** of contestants.