Ibrahim Eren Tilla

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EDUCATION

- **Bilkent University** — Ankara, Turkey
  Bachelor's Degree in Computer Engineering: Top %25 of class — *August 2017 – June 2021*

EXPERIENCE

- **Trendyol Group** — Istanbul, Turkey
  Associate Software Developer — *June 2021 – Present*
  - Designed and implemented a quality assessment microservice using **Spring, React, and Couchbase**. It is currently being **used by 3500+** customer service agents **every month**.
  - Participated in the new notification center project which **increased the Kafka throughput 4 times.**
  - Constructed a new gateway project in which I created RESTful APIs using **Kotlin**.
  - Currently supporting the Trendyol infrastructure which has **15+ million visitors per day**.

- **Vadi Enterprise Information Systems** — Istanbul, Turkey
  Software Engineer Intern — *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 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** — Istanbul, Turkey
  Software Engineer Intern — *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** to connect the system to the **MS SQL** database to store the field data.

PROJECTS

- **The Third Eye**
  Individual Project
  - Implemented a social distancing and face mask detection program in **Python**, using **OpenCV and YOLOv4**.
  - Trained the face mask detection algorithm on **Google Colab**, using a dataset from Kaggle.
  - Focused on learning proper documentation and creating **analysis & design** reports, concentrating on the **application lifecycle management**, project reports can be examined at project website.

- **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 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 them through searching online dictionaries, code can be found at GitHub.

PROGRAMMING SKILLS

- **Languages:** Java, Javascript, C++, HTML5, CSS, Python, Go

- **Tools/Technologies:** Git, Spring, Kafka, Couchbase, Amazon Web Services, NodeJS, ExpressJS, React

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.