Ahmet Hakan Yılmaz

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Education

Bilkent University   *Ankara, Turkey*
Bachelor of Computer Science, GPA:3.41   *Sept 2018 - June 2023 (Expected)*

Work Experience

Dogus Technology   *Istanbul, Turkey*
Software Engineer Intern   *July 2022 - Sept 2022*
- Worked on Zebra which is a web project with microservice architecture for vehicle loan services.
- Implemented service for SMS verification on a **.NET Core** project using **C#**.
- Implemented frontend changes on the Node.js project using **VueJs** and **Pug** according to customers requests.
- Made **SQL to LINQ** conversions for decreasing dependency to stored procedures. Wrote **xUnit tests** to test changes.

Tetra Enginnering   *Ankara, Turkey*
Software Engineer Intern   *Aug 2021 - Sept 2021*
- Worked on Tetra Business Solutions (TBS) which is web and android project that enable companies to follow their workflows.
- Designed screens for the existing **Android** project and implemented service methods on the **.NET** project to feed these screens from database.
- Worked on improving database efficiency using **MS SQL** tools. Improved database performance approximately 4% percent using different indexing strategies in some use cases according to SQL profiler.

Projects

Meeting Arranger
Mobile Project (Individiual)   *Mar 2022 - June 2022*
- Developed a user friendly meeting arranger app using **Flutter (Dart)** for me and my friends to decide optimal meeting times. Used **Firestore** for the database. Published it in Google Play Store.

Thread Scheduling Simulation
C Program (Group)   *Feb 2022 - March 2022*
- Developed a multithreaded **C program** in Linux that simulate the different types of scheduling that CPU can use.
- Used mutex locks, condition and mutex variables. Became familiar with multithreaded programming and different scheduling strategies.

ClubVerse
Web Project (Group)   *Nov 2021 - Jan 2022*
- Developed a web project for handling university club and student relations using **Spring Boot (Java)**, **PostgreSQL**.
- Worked on the backend and database part of the project.
- Learned and prepared different types of **UML** diagrams for reporting purposes.

Skills

Programming   Java, C/C++, C#, Dart, JavaScript, SQL (MS SQL , SQLite, PostgreSql), HTML/CSS
Miscellaneous   Android, Flutter, Firebase, Git, UML, Design Patterns

Achievements

2439th place wordlwide and advanced to 2nd round in Meta Hacker Cup   2022

7th place in ITU ACM AlgoComp'22 among more than 300 teams   2022

Finalist (Top 15) in Hacettepe University Programming Contest among 206 teams (HUPROG)   2022,2019

Bilkent University Comprehensive Scholarship and Presedential Scholarship   2018

41th and 126th places in the National University Entrance Exam (YKS) among more than 2 million people   2020,2018

First place in Cankaya University Mathematics Competition among 51 High Schools   2018

2 Gold and 1 Silver medals in Akdeniz University Mathematical Olympiads   2017,2016,2015

Silver Medal in TUBITAK National Mathematical Olympiads   2014