

Jiyan M. Ayhan

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Education

The George Washington University, Computer Science BS

August 2021 - Present

GPA: 3.87

Ege University, Computer Engineering

September 2019 - June 2021

GPA: 3.41

Experiences

Undergraduate Research Assistant, The George Washington University

May 2022 - August 2022

- Wrote code in C, implementing load balancing algorithms
- Built automation scripts with python, that measures throughput and energy consumption of a client-server system
- Setup networks using cloud servers
- [Github Repo](#)

Software Developer, Moradam, Istanbul, Turkey

September 2020 - June 2021

- Developed and maintained web applications
- Gained backend development experience with Node.js and MySQL

Technical Assistant, TNT, Istanbul, Turkey

June 2018 - September 2018

- Repaired and replaced mobile phone parts

Extracurricular

President of Game Development Club, The George Washington University

August 2022 - Present

- Started a student organization, and am serving as the first president

Tourism Guide, Fatih Municipality, Istanbul

June 2017 - September 2017

- Guided tourists around historical tourist attractions and museums in Istanbul

Personal Projects

Chat Application

- Developed a chat application using Java
- Enabled multiple users to connect to a ServerSocket channel and send messages
- [Github Repo](#)

Google Review Scraper

- Programmed a google map review scraper using Puppeteer.js
- Scraped reviews and converted to JSON format
- [Github Repo](#)

Class Projects

Shopping Service Databases

- Developed a shopping website, using Flask and Sqlite3
- Users can sign up, edit their cart and checkout

Shell Application Systems Programming

- Built a command line shell application with C
- Allowed to create pipelines, run background tasks and redirect program output to files

Search Engine Computer Architecture I

- Developed a search engine to rank files with relevance to the search query
- Optimized speed, using binary search tree algorithms

Compiler Programming Languages

- Built a C compiler for a basic programming language

Technical Skills

Programming Languages

- HTML, CSS, JavaScript (Node.js)
- C++, Unreal Engine 5
- C
- Python
- Java
- Bash Shell
- SQL (MySQL, Sqlite3)
- NoSQL (MongoDB)

Other Tools

- Git, Github
- Docker
- Adobe Photoshop

Additional Information

Languages: English, Turkish, Kurdish