

# Umut Aytuğ Semerci

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## Skills

Skills: Web Development, Software Engineering, Computer Network, Cyber Security, Test Automation

Languages: C, C++, Java, HTML, CSS, JavaScript, Vue, NodeJS, ExpressJS, MongoDB, SQL, Bash

## Education

Kadir Has University | Istanbul, Turkey

Bachelor of Science in Computer Engineering, GPA 3.15

October 2021 – Present

Expected Graduation, June 2025

## Experience

Sompo Sigorta

June 2023 – August 2023

### Software Development Intern

- Develop and maintain test automation scripts and frameworks using tools like Puppeteer.js.
- Execute automated tests across diverse platforms and environments, ensuring comprehensive test coverage.
- Analyze test results and provide actionable insights for continuous improvement.

## Projects

### Discord Music Bot [GitHub Link](#)

- Developed a Discord.js music bot, enabling users to play music from various sources including YouTube and Soundcloud.
- Integrated advanced queue management, volume control for enhanced user experience.

### Voting System in C [GitHub Link](#)

- Created a robust C program for implementing a secure and efficient voting system with user authentication and candidate registration functionalities.
- Utilized data structures and algorithms to optimize performance and scalability, ensuring accurate vote counting.

### Wordle Clone in JavaScript [GitHub Link](#) [Website Link](#)

- Engineered a JavaScript-based clone of the popular game Wordle, an word-guessing experience.
- Designed an intuitive user interface and ensured compatibility across different devices for seamless gameplay.

### HTTP Request Tester [GitHub Link](#) [Website Link](#)

- Developed a simple JS server for testing HTTP requests, with endpoints for various HTTP methods and error responses.
- Integrated Swagger UI for interactive API documentation, facilitating easy exploration of available endpoints.

### IP Finder [GitHub Link](#) [Website Link](#)

- Engineered a web application using Vue.js to provide detailed IP information and display locations on an interactive map.
- Ensured responsiveness across different devices and utilized IPAPI service for accurate IP data retrieval.

### Password Strength Checker [GitHub Link](#) [Website Link](#)

- Developed a web application using Vue.js to evaluate password strength and estimate crack time.
- Integrated password strength indicators and common password checks for enhanced security.

### Linux Alert Monitoring [GitHub Link](#)

- Designed a Bash script for proactive system monitoring, alerting administrators via Telegram when resource thresholds are exceeded.
- Implemented functions to monitor CPU, memory, and file system usage, ensuring comprehensive monitoring coverage.