

Youssef Abdelhady

Youssef.abdelhady1@Marist.edu | Github.com/youssefa123 | linkedin.com/in/youssef-abdelhady

EDUCATION

Marist College, Poughkeepsie, NY

December 2023

B.S in Computer Science/ Minor in IT

TECHNICAL SKILLS

Languages: Python, Java, HTML/CSS, TypeScript,

Technologies/Framework: Git, Github, Linux, Nginx, Postman, Docker, CircleCI, Jekyll, API, REST API

PROJECTS EXPERIENCE

YOUS VIRTUAL OPERATING SYSTEM | *TypeScript, HTML, CSS, .NET*

- Employed TypeScript programming language, HTML, and CSS, to create a user-friendly front-end interface including a Terminal, Host Log, and User Program Input section.
- Created a virtual file system with support for directory structures, file I/O operations, etc.
- Optimized system performance through efficient algorithms and data structures, resulting in faster query times

TsiraM-6502 Virtual Processor | *TypeScript,*

- Developed a virtual 6502 CPU in TypeScript and designed programs to run on the CPU using a subset of the original 6502 instruction set
- Utilized object-oriented programming principles to design and construct a high-level virtual machine, improving code organization and maintainability.
- Constructed a back-end system for program execution, memory management, and process scheduling, utilizing TypeScript's OOP principles.

Social Media Website Development and Automation | *JavaScript, fetch() API, JSON,* ▪ Developed a robust, full-stack dynamic social media platform from concept to completion, showcasing proficiency in front-end and server-side programming.

- Utilized the JavaScript fetch() API to implement asynchronous client/server communication, resulting in a 30% reduction in page load times and an enhanced user experience.
- Designed and implemented a scalable relational database to store user-generated content, leading to a 40% improvement in data retrieval efficiency and enabling seamless content management.

EXPERIENCE

Technical Support Specialist,

Cold Spring Hotel , June 2021-August 2022

- Delivered timely and responsive assistance via remote and on-site service, contributing to a 20% reduction in service request turnaround time.
- Collaborated closely with team members to share knowledge and insights, contributing to a 15% increase in first-call issue resolution rates.
- Resolved IT-related problems for thousands of customers by conducting in-depth troubleshooting and analysis, maintaining a customer satisfaction rating of 95%.

Robotics Teaching Assistant,

Marist College, June 2023 - July 2023

- Provided hands-on and remote support for students, resulting in a 90% class average.
- Held group lab sessions where I assisted students with assignments and projects, and provided feedback on their work.
- Collaborated with the professor to assess and grade students assignments and exams, ensuring consistent evaluation standards and enhancing student achievement.