

HAMZEH ABDALLAH

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EDUCATION

Montclair State University

Bachelor of Science in Computer Science

Montclair, NJ

Jan. 2021 – May 2023

New Jersey Institute of Technology (Transferred Out)

Bachelor of Science in Computer Science (Not Completed)

Newark, NJ

Sep. 2019 – Dec. 2020

EMPLOYMENT HISTORY

Software Engineer

AYA Holdings Group | Full Stack Developer

April 2023 – Present

(Remote)

- Developing a Python-based application, leveraging Vue.js to deliver integrated financial opportunities, an educational platform, and a social platform. Utilizing various libraries, including the FastAPI framework, asyncpg, tortoise-orm, uvicorn, etc., to enhance functionality and performance.
- Collaborating closely with a senior developer discussing the required tools, architecture for project infrastructure, and determining the necessary languages for project completion.
- Optimizing deployment processes through the implementation of various libraries, a CI pipeline, and cloud infrastructure for code deployment.

Computer Assembler

Self-Employed

Oct. 2016 – Oct. 2022

Ridgewood, NJ

- Built custom computers given customer specifications and needs
- Assembled and set up hardware components, cables and other required parts
- Provided recommendations for customer budget for highly efficient personal computers
- Demonstrated strong problem-solving skills by identifying and resolving complex technical issues

PROJECTS

Personal Portfolio | Vue.js, HTML, CSS & Quasar

- Developed a user-friendly portfolio website spotlighting personal achievements, hobbies, and completed projects deploying it as single page application (SPA) on Github Pages.
- Showcased strong software engineering and programming skills through crafting multiple projects and professional experience.
- Emphasized proficiency in HTML/CSS, Vue.js, and the Quasar Framework.
- Utilized Vue.js for frontend development, leveraging Quasar's framework for hosting and styling.
- Integrated a contact form using the Email.js third-party library, ensuring smooth communication with website visitors.

Unlimited Drinks | Vue.js, HTML, CSS, Quasar, Python, Docker & PostgreSQL

- Engineered a cost-effective alternative to traditional vending machines, enabling bulk orders of various beverages to transform on-campus beverage access for students.
- Implemented auth0 authentication for secure and streamlined user login, prompting account setup for new user authenticated access
- Integrated Stripe for secure and efficient payment processing, enhancing the transaction experience.
- Enforced a one-review-per-item policy to maintain the integrity of the platform's review system.
- Developed features for users to manage accounts, view order history, and handle multiple addresses for flexible ordering.
- Focused on user convenience, security, and satisfaction, making the platform reliable and user-friendly

SKILLS AND COURSEWORK

Languages: HTML/CSS, Python, SQL (MySQL | Postgres), Javascript, PHP, Java, C, JSON

Developer Tools: Git, GitHub/GitHub Desktop, Docker, VS Code, Jupyter Notebook

Libraries & Frameworks: FastAPI, Flask, Vue.js, Quasar, PyTest, asyncpg, tortoise-orm

Completed Courses: Data Structures & Algorithms, Database Systems, Internet Computing (Website Development), Software Engineering I & II, Operating Systems, Computer Science Theory, Computer Networks, Computer Security

AWARDS

Summa Cum Laude

Montclair State University

- Graduated from Montclair State University with the highest Latin distinction awarded to students with exceptional GPAs