

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

Junior Full Stack Software Engineer

AYA Holdings Group

April 2023 – Present

(Remote)

- Developing an application in Python along with Vue.js to provide financial opportunities, an educational platform, and a social platform using multiple libraries such as FastAPI framework, asyncpg, tortoise-orm, uvicorn, etc.
- Collaborating with a senior developer to design project infrastructure, architecture, and discuss the tools and languages that are necessary for project completion
- Streamlining the deployment process by implementing various libraries, a CI pipeline, and a 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

Unlimited Drinks | HTML, CSS, PHP, SQL, & Bootstrap

- Designed a simple user-friendly website where users can navigate to components of the website such as the login form, registration form, view listed items, view cart, checkout, view order history, and much more
- Implemented functionality and scripting for the front-end and back-end to communicate using PHP and MySQL that allows users to register, login, adding items to cart, and other functionalities.
- Developed a website where users can shop for beverages of their liking.

ShuttleBus | HTML, PHP, JavaScript, CSS, & MySQL

- In a team of six, we created a full-stack application that allowed students to track the location of their school shuttle in real-time using the Google Maps JavaScript API
- Implemented a user database where user information was stored in a MySQL database
- Provided functionality for drivers to update their location and route announcements, while admins could add new drivers and routes, and students/faculty could track the shuttle's location along with the estimated arrival times, and how many shuttles were on the road.

Pong Mini-game | Python & Turtle

- Designed a simple game of pong with a player versus player interface
- Implemented the Turtle library that is incorporated within Python to create the interface as well as the graphics

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, asyncpg, tortoise-orm

Completed Courses: Data Structures & Algorithms, Database Systems, Internet Computing (Website Development), Software Engineering I & II

AWARDS

Summa Cum Laude

Montclair State University

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