Leo Carten

Computer Science – Class of 2024

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https://leocarten.github.io/About/Leo/Carten.html

EXPERIENCE

Plymouth State University — *Computer Science Tutor and Lab Assistance*

Jan 2023 - Current

My goal is to help peers gain a better understanding of computer processing and programming languages. Job responsibilities include walking peers through programming problems, assisting peers in designing better solutions, and explaining programming related concepts. My main area of focus for this job is Python, Java, Data Structures, and Computer Hardware.

Freelance Developer — *Website Creation and Bot automations*

Mar 2022 - Sep 2022

I worked as a Developer for an NFT project. Majority of my work was web-programming in JavaScript and some bot automations in Python. I primarily dealt with APIs. Through this job, I was able to understand the proper work flow of a developer - I would listen to the team's needs, set up a wireframe, and once all needs were met I would then start developing. I was also able to improve my frontend user design skills, improve my backend skills such as familiarizing myself with APIs + AWS, and learned how to host and publish repositories on GitHub.

EDUCATION

Plymouth State University — *B.S. in Computer Science*

August 2019 - May 2024

3.87 GPA
My interests in Computer Science are data-visualization, web-development, block-chain development, and creating a better user-experience.

LANGUAGES / SKILLS

HTML • JavaScript • CSS • Python • Rest APIs • Java • PHP • Data Structures • Algorithms and Analysis • C / C++ • R • GitHub • Figma • Mac / Windows Operating Systems

COURSEWORK

Intro to Programming • Web Programming • Data Structures and Intermediate Programming • Calculus 1 • Calculus 2 • Mathematical Reasoning • Algorithms Analysis • Systems Analysis and Design • Systems programming in C / C++ • CyberEthics

SOFT SKILLS

- Leadership
- Problem Solving Abilities
- Task Management
- Analytical Thinking
- Communication

PROJECTS (More in depth explanations and pictures on my website)

Personalized BlockChain Explorer- I created a personalized blockchain explorer in which returns specific data of a users wallet address per request type.

Make-you-get-out-of-bed Alarm Clock- An alarm clock built using an Arduino in which is designed to force you to get out of bed. The “off” button is located several feet from the actual alarm clock. Every 5 seconds the alarm is not turned off, the alarm gets louder in pitch as the frequency is increased.

Temperature controlled Oscillating fan- The program gets the air temperature from a thermistor. If the air temperature is greater than 75°F, the Arduino will provide HIGH voltage to the servo motor and fan. The servo motor then rotates as the fan blows cool air.