Leo Carten

Computer Science with a Mathematics Minor – 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

I aim to support and empower my peers in understanding computer processing and programming languages. In my role, I guide them in developing effective problem-solving habits, assist in designing improved solutions, and provide clear explanations of programming concepts. My main focus is in C, Java, and Python.

Freelance Developer — *Website Creation and Bot automations*

Mar 2022 - Sep 2022

I focused on web programming using JavaScript, along with Python for bot automations. My main area of expertise revolved around working with APIs. This experience enabled me to grasp the project's workflow effectively. I would actively listen to both the team and customer requirements, establish a wireframe, and commence development once everyone was aligned. Moreover, I honed my frontend user design skills and strengthened my backend capabilities, including becoming proficient with APIs. Additionally, I gained proficiency in hosting and publishing 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 AI, data-visualization, and block-chain development.

AWARDS / ACCOMPLISHMENTS

Awarded the Charles E. Brown Scholarship

April 19, 2023

The Charles E. Brown Scholarship was granted to me by a committee consisting of faculty members and the Chair of the

LANGUAGES / SKILLS

C • C++ • Java • Python • UI Design • Rest APIs • Algorithms Analysis • Data Structures • HTML5 • CSS • JavaScript • R • GitHub • Figma • Mac/Windows OS

RELEVANT COURSEWORK [3.87 GPA]

Algorithms Analysis • Systems Analysis and Design • Data Structures and Intermediate Programming in Java • Systems programming in C / C++ • Calculus 2 • Calculus 1 • Mathematical Reasoning • Web Programming • Intro to Programming in Python • Computer Hardware • Computing Fundamentals

SOFT SKILLS

Leadership • Accountability • Communication • Problem Solving • Team Oriented • Dependable • Driven

PROJECTS

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 frequency of the pitch is increased.

Temperature controlled Oscillating fan: The program gets the air temperature from a thermistor. If the

Computer Science and Technology Department, and aims to award a student on their academic success.

2023 Presidents List — *Plymouth State University*
[Maintained a GPA of 3.7 or better]

2022 Presidents List — *Plymouth State University*
[Maintained a GPA of 3.7 or better]

2021 Presidents List — *Plymouth State University*
[Maintained a GPA of 3.7 or better]

2020 Presidents List — *Plymouth State University*
[Maintained a GPA of 3.7 or better]

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.