

Grant Gibson

CONTACT

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WEBSITES

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EDUCATION

Florida State University

B.S. in Computer Science. GPA 3.7/4.0

Tallahassee, FL

Expected Aug 2025

Relevant Courses:

- Secure, Parallel, & Distributed Systems
- Data Structures & Algorithms II
- Computer & Network Administration
- Computer Organization

Westmoreland County Community College

A.A. in Liberal Arts. GPA 3.93/4.0

Youngwood, PA

May 2019 – Jun 2023

- Completed degree while dually enrolled in high school

SKILLS

Languages Python, C++, SQL

Software Git, Visual Code, Linux

INTERESTS

Interests include:

- Data mining
- Web scraping
- Model architecture
- GPU acceleration

PROJECTS

Stock Trading Algorithm

Jan 2024 - Ongoing

- Currently developing strategies utilizing web scraping to collect a wider variety of data and sources. The program will have to utilize proxy servers to distribute the requests and be able to mine data from the scraped pages to make use of it.
- Implemented simple algorithms based off a variety of forecasting models capable of tracking account information and placing orders. It was unsuccessful at accurately forecasting stocks, highlighting the reasoning behind the efficient market hypothesis.
- Created programs to back-test and compare the abilities of different models. For example, comparing the profitability of Hidden Markov models vs ARIMAX. Resolved issues with data leakage with overly optimistic tests.

Machine Learning in C++

Dec 2024 - Jan 2025

- Created a Pong environment to generate a training dataset for the model, and a visual way to test the effectiveness of the model. The dataset included Y-axis inputs for the paddle and ball. The output was determined on if the paddle was under or over the ball height, creating a simple strategy of following the ball at all times.
- Developed and trained a simple MPL Feedforward network from the ground up. The class had forward and back propagation functions that allowed for training and prediction. I experimented with implementing batch processing, increasing the complexity of the pong strategy, and speeding up training with CUDA acceleration.

EXPERIENCE

Allergy & Asthma Diagnostic Treatment Center

Jan 2025 - Current

Tech/IT Assistant

Tallahassee, FL

- Installing and managing software like operating systems, word, and other programs on company computers. Must know how to use any computer from very old macs to newer windows computers. Additionally, I have to solve and troubleshoot software problems like USB device errors or network issues.
- Manage and organize company files and databases to maintain accurate and accessible information. Information like doctor's names and hospitals may be added and requested from it daily. Information is also used to create physical tabs to mail charts and info to relevant doctors.

Steel City Rowing Club

Jun 2023 - Aug 2023

Summer Camp Counselor

Verona, PA

- Worked on a team of counselors to supervise and run activities at a summer camp on the Allegheny River. Each week of the camp was a new group of 15-30 kids from elementary to middle school. Each week had activities planned out that were improvised based on conditions like the weather or interest of the campers.
- Communicated with other councilors to distribute tasks. Tasks included carrying kayaks and boats, playing and engaging along-side campers, helping with emergencies, and leading activities.

Private Duty

May 2019 - Aug 2023

General Laborer

Murrysville, PA

- Worked privately for regular clients, performing a variety of requested tasks such as log-splitting, painting, mowing, and mulching. Quickly learned new skills to complete work with minimal supervision, ensuring quality results to satisfy client expectations.
- Built rapport with clients by consistently showing up on time, working with minimal breaks, and demonstrating dependability. This reliability led clients to request my services each summer when additional work was needed. Maintained clear communication by asking questions to ensure the work was completed according to the client's preferences.

Work references available upon request

AWARDS

Merit Scholarship awarded for academic performance and test scores 2023
F.S.U.

Dean's List recognition for maintaining GPA above 3.5 while registered for over 12 credit hours 2024
F.S.U.

President's List recognition for maintaining GPA of 4.0 2020
W.C.C.U.

First Degree Black Belt achieved after consistent training and testing for 5 years 2017
Flying Dragon TKD

LEADERSHIP

FSU Rowing Club Aug 2023 - April 2024
Varsity Member

- Joined the team freshmen year with experience rowing in high school. Rowed on the varsity team and trained during the week at 5:30am in the morning. Worked with the team to carry boats and perform coordinated teamwork.
- During practices I focused and concentrated on perfecting technique during drills and workouts. Consistently trained outside practice to prepare for races. At races I performed to the best of my ability to compete against other teams on the state, regional, and national club levels. I stopped rowing to pursue running as a new sport.

Venture Crew 220 Aug 2019 - Aug 2021
Council Vice President

- Attended weekly meetings to organize crew events and trips and discuss ideas with the rest of the crew. Helped to run events and evaluated the performance afterwards. Events included regular volunteer work for the local community like 'flags over Murrysville' and bell ringing.