

Vivian Thomas

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Education

Bachelor of Science in Computer Science and Applied Physics - Marietta College

Expected 2021

Minor: Mathematics

GPA: 3.72 / 4.0

Member of physics honor society Sigma Pi Sigma

Recipient of 1835 Founders Scholarship

Employment Experience

Tech Assistant - Information Technology Department, Marietta College

August 2019 - Present

Resolve computer issues, assist IT techs with imaging and troubleshooting, replace computers in labs/classrooms.

Peer Consultant - Tutoring and Learning Center, Marietta College

October 2018 - May 2019

Tutored individual students in General Physics and Scientific Computing. Taught time management and study skills.

Programming Skills

Proficient with Python

Write Python scripts for personal and academic projects.

Familiar with C, Lua, SQL, Git, and Linux

Understand programming fundamentals. Learn new tools quickly.

Programming Projects

Fortune Teller Putnam

Fall 2019

Datamined student information from email distribution lists to program a fortune-telling machine that runs on a Raspberry Pi and prints personalized fortunes for students and faculty.

Developed a game in two weeks

Summer 2019

Collaborated with a friend to develop a web game using the open-source engine Godot.

Discord bot

December 2018

Wrote a Discord bot to enforce emoji-only chat using the discord.py API wrapper.

Research Experience

Pandigital Polydivisible Numbers

September 2019

Wrote a recursive Python script to efficiently search for pandigital polydivisible numbers in various bases, contributing to OEIS sequence [A163574](https://oeis.org/A163574).

Chaotic Damped Driven Pendulum

Spring 2019

Analyzed and visualized experimental and simulated physics data for a chaotic pendulum using Jupyter, Matplotlib, and Pandas for an Experimental Physics class. Presented findings to the physics department.

Organizational Leadership

Executive member of four student organizations:

- Chair of Marietta College Student Chapter of the Association for Computing Machinery
- Treasurer and founding member of Marietta College Dungeons & Dragons Club
- Treasurer of Marietta College LGBTQ+ Activism Club
- Chair of the Public Relations Committee of the Marietta College Scholars Community