

Jack Mussoline

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Website: <https://jackmoose311.github.io/MooseWebsite/index.html>

EDUCATION

The Pennsylvania State University - University Park, PA

May 2028

Bachelor of Science in Computer Engineering

GPA: 3.79

Relevant coursework: Matrices, Calculus and Vector Analysis, Discrete Mathematics for Computer Science, Programming and Computation: Data Structures, Object Oriented Programming with Web-Based Applications.

University of California, San Diego Extended Studies Program - La Jolla, CA

Summer 2023

Completed UCSD Extended Studies course, "Computers and COVID," applying Python for data collection and analysis of multiple viruses, including COVID-19 strains.

WORK EXPERIENCE

Applied Medical

Rancho Santa Margarita, CA

Cloud Operations IT Team Intern

June 2024 – August 2024

- Automated deletion of inactive websites in SharePoint via PowerShell script to enhance efficiency.
- Designed intuitive PowerShell GUI to streamline Microsoft Teams operations.
- Established Organizational Units in Active Directory, improving structural clarity.
- Developed Group Policy Objects to prevent unauthorized creation of computer objects, enhancing security.
- Participated in meetings with international employees to restructure Active Directory for better alignment.

PROJECTS

Fact-Checker Discord Bot

- Built a Discord bot in Python using the discord.py library and the OpenAI API to automatically fact-check user claims.
- Implemented natural language processing with GPT-4o-mini to analyze text and generate reliable, evidence-based responses.
- Deployed the bot to cloud hosting (Discloud) for 24/7 availability.

Personal Portfolio Website

- Designed and developed a personal portfolio website using HTML, CSS, and JavaScript to showcase projects and technical skills.
- Implemented a multi-page layout with interactive project detail views and a responsive design for both desktop and mobile.
- Created structured sections for About, Projects, and Contact, including résumé download and links to GitHub/LinkedIn.

SKILLS

- Python, Java, and C programming
- PowerShell/Linux
- Spreadsheet management
- Professional Documentation