

MAYA EMMANUELLE GRIFFITH

mayaegriffith@gmail.com | (201) 580-0712 | Harrington Park, NJ | [Github](#) | [LinkedIn](#) | [Personal Website](#)

EDUCATION

University of Vermont, Burlington, VT

Sept 2023 - Expected May 2024

Masters of Science in Computer Science

GPA: 3.94

University of Vermont, Burlington, VT

Sept 2020 - May 2023

Bachelor of Science in Computer Science

Awards: Dean's List 2021-23, Presidential Scholarship Recipient, Last Mile Grant Fund Recipient, Sophomore Student of Color Award, Mariafranca Morselli Leadership Award, Tapia Conference Scholarship, Student Employee of the Year Finalist

Relevant Coursework: Machine Learning, Data Science, Software Engineering, Intro to Python, Database Systems, Data Structures and Algorithms, Object-Oriented Programming in Java, Linear Algebra, Algorithm Design and Analysis, Operating Systems, Web Development, Human-Computer Interaction, Advanced Programming in C++, Cybersecurity Principles, Usable Privacy and Security, Evolutionary Robotics, Cybersecurity Law and Policy, Secure Distributed Computing

RELEVANT SKILLS, TOOLS, AND PROJECTS

Technical Skills: Python- Flask, Pandas (4 years), C++ (1 year), Java (3 years), SQL, C (2 years), Web Development (HTML/CSS/SASS/Tailwind/PHP/JS - React), Figma, Canva, Adobe, Microsoft Suite, Git, Agile Development, Jira

Healing Leaves: CycleGAN Implementation

Fall 2023

- Developed a machine learning model in Python using CycleGAN, outputting visualizations for damaged leaves to 'turn into' healthy ones

CA Model of Self-Checkout Systems

Fall 2023

- Created a cellular automaton model in Python to determine the effectiveness of self-checkout vs. traditional cashiers

Language Learning Music Finder, CS 228: Human-Computer Interaction

Fall 2022

- Developed a UI using user-research skills in HTML/CSS/JS/Python (Flask) for students to get song recommendations based on previous music data in their preferred language, all while being WCAG AAA accessible

Pin the Tail on the Donkey, CS 120: Advanced Programming

Spring 2022

- Used OpenGL and GLUT in C++ to develop an interactive game

Houseplant Hub, CS 121: Computer Organization

Fall 2021

- Experience developing projects in a team setting, such as developing a self-monitoring gardening system with a Raspberry Pi

RELEVANT WORK EXPERIENCE

21.co, New York, NY

June 2023-August 2023

Software Engineering Intern

- Collaborated with a team of 5 to develop a mock ETP (Exchange Traded Product) portfolio web application using technologies such as React, Fast API, and AWS.
- Led the implementation of a user-friendly interface and integrated real-time data to enhance the app's functionality.
- Contributed to the entire development lifecycle to deployment, ensuring seamless user experience and efficient data handling

University of Vermont, Burlington, VT

January 2023-Present

Research Programmer

- Led the implementation of an AI system using CycleGAN to render pictures of damaged leaves into healthy ones
- Co-led research for the American Heart Association. Worked on web development and analytics in Matomo tailored to the needs of several clinical trials.

Teaching Assistant for Intro to Python and Data Structures in C++

September 2021-May 2023

- Conducted office hours, graded projects, and provided guidance and support to a diverse group of over 100 students.

Communications Assistant

September 2022-May 2023

- Updated the UVM website using Drupal and WordPress, focusing on accessibility following WCAG standards for thousands of people to view

Girls Who Code, New York, NY

June 2022-August 2022

Teaching Assistant

- Taught Web development, including HTML/CSS/JS on Zoom to high school girls, developed community and mentorship

Code Ninjas, Norwood, NJ

June 2019-August 2020

Computer Science Teacher

- Taught Javascript, Scratch, and basic programming concepts to kids aged 5-14

LEADERSHIP

Society of Women in Computer Science (SWiCS), Burlington, VT

September 2021-May 2023

President

- Worked closely with the student government, the computer science department, and corporate partners to spearhead and organize CS-related workshops, networking events, and events such as the CS fair and Women in STEM conference and to increase undergraduate engagement for women in technology at UVM

Tech Tutors, Old Tappan, NJ

September 2016-June 2020

President

- Assisted individuals of all ages within the community to increase accessibility and knowledge of technical devices.