

Madeline Savoiu

San Jose, CA | savoiumadeline@gmail.com | (669) 285-8778

EDUCATION

California State University, Fullerton

Aug. 2023 – May 2027

Computer Science, B.S. | GPA: 3.87 — Dean's List

Fullerton, CA

- **Coursework:** Data Structures & Algorithms, Object Oriented Programming, Cybersecurity Fundamentals

Evergreen Valley High School

Aug. 2019 – May 2023

AP Scholar with Distinction

San Jose, CA

TECHNICAL SKILLS

Languages: Python, C++, HTML/CSS, JavaScript, Bash

Technologies/Frameworks: PyTorch, AWS, Flask, Git/GitHub, VS Code, MySQL

Penetration Testing: Networking scanning, subdomain/directory enumeration, vulnerability assessment, network diagramming, compliance risk analysis, report writing

PROJECTS

CMC You Later! | *Python* | github.com/msavoiu/cmc-you-later

Aug. 2024 – Present

- Utilizing PyTorch's Wav2Vec2 speech model to develop a tool that receives and executes voice commands on smartphones, reducing strain from repetitive hand gestures for those with mobility issues
- Training my own neural network using personal voice data to deepen my understanding of LLMs

AO3 Wrapped | *Python, JavaScript, HTML/CSS* | github.com/msavoiu/ao3-wrapped | ao3wrapped.lol

July 2024

- Built a full-stack, lightweight web application with Flask and Jinja templating
- Utilized HTTP requests and web scraping to generate user statistics and data visualizations from popular creative writing platform Archive of Our Own (AO3)
- Designed frontend UI with AO3-inspired visuals using HTML, CSS, and JavaScript
- Deployed web app using AWS EC2 and configured custom domain name using Route 53, providing a user-friendly URL

EXPERIENCE

Information Technology Competition Red Team

Apr. 2024

Cal Poly MISSA

Pomona, CA

- Developed Windows and Linux ethical hacking skills with a team of 5 using HackTheBox at weekly meetings
- Conducted extensive penetration testing on a simulated corporate environment over a 2-week time frame
- Uncovered security risks through network reconnaissance, password cracking, and AI prompt injection
- Compiled findings into a comprehensive 67-page report outlining vulnerability risk metrics, HIPAA and GDPR compliance violations, cyber attack replication methods, and recommended remediation strategies
- Delivered a high-level, professional presentation of our findings, earning us the second-place award

Treasurer and Social Media Marketing Manager

Jan. 2024 – Present

CSUF Offensive Security Society

Fullerton, CA

- Manage club finances and ensure timely payments and reimbursements, directly enabling the Red Team's access to essential training environments, strengthening preparation and performance in competitions
- Present at inter-club council meetings to secure school funding for club merchandise and workshop materials
- Design posters/digital infographics and create social media posts to promote club events and CTFs, increasing student turnout
- Reach out to alumni and industry professionals to coordinate speaker events on campus

Office Assistant

Aug. 2024 – Present

CSUF Housing and Residential Engagement

Fullerton, CA

- Set up and troubleshoot technology in campus buildings: projectors, microphones, smart TVs, computers, electronic door locks and card readers, and the online booking system
- Log incoming mail to an online database and sort/organize packages for resident pickup
- Assist residents with room lockouts, door keypad battery changes, and general housing inquiries