Xinyue Wang

510-458-1470 | xyw721@gmail.com | Cupertino, CA

EDUCATION

Carnegie Mellon University
Pittsburgh, PA

Bachelor of Science in Information Systems
Expected May 2028

- GPA: 3.53/4.0, Dean's List
- Relevant Coursework: Principles of Imperative Computation, Fundamentals of Programming & Computer Science, Designing Human Centered Software, Concepts of Mathematics, Matrices and Linear Transformation, Mobile Website Design Development, Methods for Statistics & Data Science, The Information Systems Milieu
- Leadership: Vice President of Dorm Community, Emcee of Chinese New Year Extravaganza

Homestead High School
Cupertino, CA

Valedictorian
2020-2024

- GPA: 4.0/4.0
- Leadership: Graduation Speaker, Class Officer 2024, President of California Scholarship Federation

EXPERIENCE

Research Assistant - Autonomous Cyber Defense Project
Sept 2024 – Present

Carnegie Mellon School of Computer Science
Pittsburgh, PA

- Developing a formal, adaptive framework for cyber defense playbooks using prompt engineering with Large Language Models to create knowledge graphs based on MITRE frameworks. The goal is to improve the accuracy, adaptability and response time of the Security Orchestration, Automation, and Response (SOAR) systems by optimizing playbook actions for cost and effectiveness with minimal human intervention.

PROJECTS

Website for Sheraden Community Council | *HTML, CSS, Javascript, Figma*
Oct – Dec 2024

- Designed 3 levels of wireframes and interactive prototypes, conducted 2 rounds of usability testing, and coded a preliminary website for the Sheraden Community Council in Sheraden, Pittsburgh.

Coding Projects | *Python*
Nov – Dec 2024

- CMU Hackk112: Developed a preliminary dating app that matches users by personality and preferences.
- Upgraded Flappy Bird: Coded an upgraded Flappy Bird with shields, store options, difficulty levels, pipe movement, reversed gravity, and sound effects.

COMMUNITY & LEADERSHIP

Chief Technology Officer
Aug 2023 – May 2024

Aegis, Inc. Virtual Enterprises International Company

- Oversaw IT/Design and Marketing departments (12 people).
- Organized product website, market research on discrete self-defense product, trade show, and competitions.

Vice President
Dec 2022 – May 2024

Public Health Enhancement Project

- Organized a magazine with 20 public health resources, interviews, artworks, info-graphics, and research essays (promoted by the Santa Clara County Board of Education).
- Hosted a virtual symposium with Senator Josh Becker, UC Davis Professor Loralyn Taylor, and PhD students from UC Davis and UC Berekeley.

Volunteer Coordinator
Aug 2021 – May 2024

Asian American Cancer Support Network

- Coordinated and led volunteers at the Hatwalk Gala, raising $30K for cancer patients.
- Distributed over 1,000 care bags for Kaiser Permanente's Seeds of Hope Event to raise health awareness.

SKILLS

Technical Skills: Python, Java, C, C++, Linux, R, HTML, CSS, Javascript, LaTeX, Figma, Canva, Powerpoint, Google Suites

Competition Awards: Future Business Leaders of America - Introduction to Business Presentation (1st in state, 3rd in nation), Sales Presentation (1st in region, 2nd in state)