

Sherry Zhao

Email: sherryzhao321@gmail.com

Address: 809 Carnation Drive, Wapakoneta, OH, USA 45895

Phone: (419) 771-9868

Education

- Bachelor of Science in Computer Science (CSE) | Expected Graduation: May 2024 | Cumulative GPA: 3.83
The Ohio State University, *College of Engineering*, Columbus, OH, USA

Skills and Qualifications

- Python, C++, Java, SQL, Ruby, C, x86-64 Assembly, MATLAB, RobotC, XML, HTML, CSS, Microsoft Office
- Unit Testing, Data and Algorithms, Debuggers, Version Control Systems (SVN, git), Adobe Creative Suite

Work Experience

Software Engineering Intern | Northrop Grumman Corporation, Linthicum, MD

June 2023 – Now

- Creating a file parser in C++ to analyze RF data in order to be used for further processing via hardware
- Developing a data analysis tool to display real-time RF data in the form of customizable graphs and tables

openVA Software Development Research Assistant | The Ohio State University, Columbus, OH

Jan 2022 – Now

- Designed and programmed a Python graphical user interface for verbal autopsy (VA) software, utilizing PyQt5
- Improved the time efficiency of InterVA5 algorithms by up to 40% using Python packages NumPy and pandas
- Created and utilized a strict unit testing environment and parameter limitations through pytest and mypy

Project and Teamwork Experience

Research Job Posting Retriever | Team Member

Sept 18 – 29, 2022

- Cooperated with 3 others to retrieve current research job postings across different fields at Ohio State and to inform users via email when there are new updates specific to their major or job specifications, coded in Ruby
- Implemented a data management system with a SQL database to process research postings and current users

Software Design Project | Team Member

Nov 2020 – Dec 2020

- Collaborated with 3 team members on an engineering project to design 2 games – Connect4 and Over/Under Seven – coded in MATLAB and documented in WordPress
- Established visual and auditory marketing strategies for investors, developers, and targeted users

Playdough Automation Line | Team Project Manager

Jan 2020 – Mar 2020

- Developed an automation line with 4 connected machines with 8 other members, coded in RobotC and built using VEX Robotics hardware
- Integrated an accountability and organization system with Gantt charts and logs for each part of the project (research, planning, coding, building, testing) and handled matters of discipline, teamwork, and mutual respect

Leadership and Achievements

Society of Asian Scientists & Engineers OSU Chapter | Treasurer

May 2022 – Now

- Formed a budgeting plan for the funding of chapter events, attended by up to 60 members
- Managing over \$10,000 in funds through consistent Microsoft Excel budget tracking and purchase oversight
- Writing funding proposals and planning logistics to send members to SASE National Conference 2022

Taiwanese American Student Association OSU Chapter | Logistics Chair

May 2022 – Now

- Coordinated logistics for 2-hour cultural show with 12+ performing groups and 390+ attendees
- Leading biweekly cultural and social events with attendance up to 130 students