

Sherry Zhang

Email: sbz5250@psu.edu | San Jose, CA | [LinkedIn](#)

EDUCATION

Pennsylvania State University

B.S. Computer Science, Minor in Mathematics

University Park, PA

Expected: May 2025

- **GPA:** 3.8/4.0 (Dean's List for 4 semesters)
- **Relevant Courses:** Data Structures and Algorithms, Systems Programming in C, Web Development, Blockchain, Object Oriented Programming with Web-Based Applications in Java, Data Structures in Python
- **Organizations:** Eta Kappa Nu Engineering Honor Society, Penn State Women in Engineering Program

SKILLS

- **Languages:** Python, C, C++, Java, JavaScript, HTML, CSS
- **Libraries/Frameworks:** Bootstrap, Flask, React, Node
- **Technologies:** Git, Visual Studio Code, PyCharm, Xcode

EXPERIENCE

Teaching Assistant

Jun 2023 - Present

Penn State Department of Computer Science

University Park, PA

- Provide virtual support outside the classroom for 40+ students in an introductory Python programming course
- Facilitate office hours 4 times weekly to address concerns, provide assistance, and offer guidance for assignments
- Collaborate with a team of 4 teaching assistants and the professor to enhance and maintain teaching methodologies

Grader

Jan 2023 - Present

Penn State Department of Computer Science

University Park, PA

- Evaluate and graded 30+ Python coding assignments for students in a data structures course
- Debug and give detailed feedback to 60+ students weekly, improving their understanding of programming concepts
- Maintain a 95% grading accuracy rate and deliver consistent evaluation while regularly meeting deadlines

Research Assistant

Sep 2022 - Dec 2022

THRED Group

University Park, PA

- Analyzed communication patterns of experts in non-destructive evaluation and in additive manufacturing for 3 months
- Dedicated 5 hours weekly to assist in data collection, conduct interviews, and make familiar with qualitative research

Academic Tutor

May 2022 - Aug 2022

- Exceeded a total of 25+ hours of quality one-on-one tutoring in trigonometry, precalculus, and calculus
- Helped student boost their math grade by 13%, an improvement of one letter grade, and better exam scores

PROJECTS

Personal Website: zsherry168.github.io (Built with HTML, CSS, JavaScript, React, and Bootstrap)

GitHub: <https://github.com/zsherry168>

mdadm Library for Linear Devices

- Coded a library for the mdadm (Multiple Disk and Device Management) utility in Linux that creates, manages, and monitors a linear device, which concatenates multiple physical disks into a single logical device
- Installed functionalities for reading and writing across disks, caching, and networking to connect to other servers
- Programmed using C, Linux, and UTM emulator/virtual machine

Nittany Reads

- Designed a book review application that allows users to create an account, log in, search for books, and leave reviews
- Managed a database, developed both the front end and back end, and utilized an API to retrieve book information
- Created using Python, SQL, HTML, CSS, Flask, PostgreSQL, SQLAlchemy, Bootstrap, and Google Books API

Chit Chat

- Developed an online chat application that delivers real-time bi-directional communication between multiple users
- Built using Python, JavaScript, HTML, CSS, Flask, SocketIO, and Bootstrap

LEADERSHIP

Community Outreach Coordinator (Eta Kappa Nu)

Apr 2023 - Present

Mentor (Penn State Women in Engineering Program)

Mar 2023 - Present