

Yixuan Chen

Yixuann.Chen@outlook.com | 412 626 8153 | Pittsburgh, PA 15232

EDUCATION

University of Pittsburgh, Pittsburgh, PA

Bachelor of Science, Computer Science

Main Courses: Algorithms, Data Structures, Math Foundations of Machine Learning, Intro to Compiler Design

Expected April 2026

GPA:3.953

Sichuan University, Sichuan, China

Bachelor of Science, Computer Science

Main Courses: Intermediate Programming, Applied Statistical Methods, Data Analysis, Discrete Mathematics, Computer Organization & Assembly Language, Introduction to Software Systems

Expected April 2026

GPA:3.96

SKILLS

Software: C++, Java, R, JavaScript, Python

Languages: Chinese (Native), English (Fluent)

RESEARCH EXPERIENCE

Sichuan University-Pittsburgh Institute

Feb 2023 – Jan 2024

Research on the Development of a Medical Decision Support System.

- **Analyzed** pre- and post-surgical data using Python and R, uncovering key risk factors for poor surgical outcomes.
- **Developed** statistical models to predict patient risks, improving accuracy in perioperative decision-making.
- **Synthesized** research findings through literature reviews, enhancing the model's clinical relevance.
- **Collaborated** with an 8-person multidisciplinary team to refine data processing, optimize model performance, and implement the decision support system.

TEACHING EXPERIENCE

Sichuan University-Pittsburgh Institute

Sep 2023 – Jan 2024

Undergraduate Teaching Assistant – Applied Statistical Methods

- Led weekly recitation sessions, clarifying statistical concepts and guiding around 100 students through problem-solving exercises.
- Provided one-on-one and group tutoring, answering students' questions to reinforce their understanding of statistical methods.
- Graded assignments, exams, and projects with detailed feedback, ensuring fairness and academic integrity.
- Proctored exams and maintained a structured test environment to uphold academic honesty
- Facilitated communication between students and the professor by addressing concerns and coordinating feedback for course improvements.

WORKING EXPERIENCE

University of Pittsburgh – Campus Recreation

Jan 2024-Present

Event Attendant

- Ensured seamless execution of events by setting up and taking down equipment, managing reservations through Fusion and EMS software, and adhering to Campus Recreation policies.
- Responded promptly to emergencies, providing first aid and executing Emergency Response Plans, while maintaining a safe environment for all participants.

LEADERSHIP EXPERIENCE/CAMPUS INVOLVEMENT

Member, Women in Computer Science (WiSC) University of Pittsburgh

Dec 2024 – Present

Monitor, Class of Computer Science Sichuan University - Pittsburgh Institute

Sep 2022 – Jun 2024

- Coordinated class activities and served as a liaison between faculty and students, ensuring effective communication.

Peer Leader

Sichuan University - Pittsburgh Institute

Jun 2023 – Jun 2024

- Provided mentorship and guidance to first-year students, facilitating their academic and social transition.

HONORS AND AWARDS

- **Sichuan University Comprehensive First-Class Scholarship**

2024

- **Dean's List**

2024

- **Outstanding Student of Sichuan University** *2024*
- **Outstanding Student Leader of Sichuan University** *2023*