

Yanxi Wei

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EDUCATION

West Chester University of Pennsylvania, West Chester, PA
Bachelor of Science in Computer Science, Graduation: Spring 2025
GPA: 3.9/4.0

Relevant Coursework :

- Computer Science I, II & III
- Foundations of Computer Science
- Data Structures and Algorithms
- Computer Systems
- Computer Security
- Data Science
- Digital Image Processing
- Program Lang Concepts/Paradigm
- Modern Web Applications

Honors and Achievements

- Dean's List, College of the Sciences and Mathematics (Fall 2024)
- Inducted Member of Upsilon Pi Epsilon (UPE) – The International Computer Science Honor Society (Spring 2025)

Technical Skills

- Programming Languages: Java, Python, C
- Web Development: HTML, CSS, JavaScript, REST APIs
- Cloud Technologies: Docker, CloudLab, Virtualization, Containerization
- Tools & Platforms: GitHub, IntelliJ IDEA, PyCharm, VS Code

ACADEMIC PROJECTS

Email Classification and Spam Analysis System, Team Project (Fall 2023)

Role: reader and Parser- Made CSV parser and reader.

Developed a CSV parser and reader for a spam classification system using a bag of words approach. Assisted in training the classifier to identify common words and phrases in spam and ham emails, and calculated accuracy and Euclidean distance metrics.

Worked with team members to integrate CSV reading with algorithm development for classification, ensuring clean data processing and accurate results.

Obesity Analysis Based on Socioeconomic Factors, Personal Project (Fall 2024)

Role: Data Analysis and Visualization

Conducted statistical analysis on the relationship between obesity rates in the U.S. and socioeconomic factors such as age, income, education level, and gender. Utilized the BRFSS dataset from the CDC and applied regression models, ANOVA, and interaction effect analysis to evaluate key influencing variables. Performed data preprocessing, statistical modeling, and visualization to derive insights for public health interventions, ensuring data-driven conclusions.

Additional Information

- Languages: English (Fluent), Chinese (Native)
- Interests: AI technology, Cloud Computing, Web Development, Data Science