

Zhengming Wang

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EDUCATION

University of Pittsburgh

B.S. Computer Science

Aug 2018 – Apr 2022

GPA: 3.8/4.0

Minors in Theoretical Mathematics, Creative Writing, and Chinese.

Relevant Coursework: Deep Learning, Compiler Design, Database Management Systems, Robotic System Design, Web Programming, Calculus 3, Probability, Linear Algebra, Formal Methods, Algorithms, Computer Networking

EXPERIENCE

Qualtrics

Seattle, WA

Software Engineering Intern

May 2020 – Present

- Designed and built Python backend which securely manages five Fortune 500 companies' custom-structured survey data (over 5 million rich user responses)
- Architected sentiment analysis Flask API that reduces client ticket time from 3 weeks to 5 minutes
- Implemented scalable customer integration system within API leading to faster new user onboarding
- Conserved hours of engineering time per sprint by adding debugging support through API endpoints

Learning Research and Development Center

Pittsburgh, PA

Undergraduate Research Fellow

Dec 2018 – Sept 2019

Advisor: Dr. Erin Walker

- Pioneered an Automatic Badge Giver (ABG) classification model that rewards students who demonstrate helping behaviors on various online education platforms.
- Designed Natural Language Processing features for ABG using Python, NLTK, and scikit-Learn.

Advisor: Dr. Diane Litman

- Optimized an Automatic Essay Scoring (AES) model that achieved a .66 Kappa score through feature extraction with Python, NLTK, scikit-Learn, NumPy, and Pandas.

Jane Street Capital

New York, NY

SEE Participant

May 2019

- Built a Python simulation for a trading-related game that placed 21st against 336 Jane Street employees.

SKILLS

Languages: Python, Java, SQL, C, HTML/CSS, JavaScript, vim

Framework/Technologies: PyTorch, Flask, React, Node.js, scikit-Learn, NumPy, Pandas, Git, Docker, ROS, NLTK

ACTIVITIES

President of Computer Science Club

Apr 2020 – Present

Co-founder of Panther Trading

Mar 2020 – Present

Teaching Assistant for Intro to Java

Sept 2019 – Apr 2020

PROJECTS

Chicago Children's Advocacy Center (CCAC)

GitHub: [git.io/JJe1Kd](https://github.com/JJe1Kd)

- Engineered a kiosk web app with a team of five others to occupy time for waiting patients at the CCAC (Chicago nonprofit dedicated to child abuse rehabilitation) with React and MongoDB.

Robotic Roomba Projects

GitHub: [git.io/JJe1KN](https://github.com/JJe1KN)

- Collaborated with another student to accomplish various tasks with a Roomba using Python, ROS, and OpenCV.
- Programmed the robot to find and kick a soccer ball into a goal, follow a colored path, and catch a falling balloon.