

# Tracy Yang

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## EDUCATION

### Carnegie Mellon University

Pittsburgh, PA

Bachelor of Science in Information Systems with Additional Major in Business Administration

May 2025

GPA: 3.75 /4.00

Relevant Coursework: Fundamentals of Programming and Computer Science, Programming and Data Analysis for Social Scientists, Business Computing, Regression Analysis For Business Applications, ML for Business Applications

## WORK EXPERIENCES

### Carnegie Mellon University Language Department

Pittsburgh, PA

Elementary & Intermediate Chinese Speaking Assistant

Aug. 2022 - Current

- Mentor around 15 students per semester, tailoring teaching methods and communication styles to accommodate diverse skill levels when addressing inquiries on definitions, vocabulary, pronunciation, and grammar
- Conduct over 6 personalized one-on-one speaking sessions per student to provide tailored feedback and guidance in Chinese language acquisition
- Implemented over 10 language immersion exercises to boost students' proficiency in Chinese

### Carnegie Mellon University Children's School

Pittsburgh, PA

Teacher's Assistant

Aug. 2023 - Current

- Collaborate with teachers and administration to create and implement over 5 innovative classroom activities that foster the enhancement of students' neural, communication, and social skills
- Supervise 20 students aged 3 in the classroom and on the playground
- Facilitate the improvement of communication and social skills for 46 students through cognitive and developmental exercises

## COURSE PROJECTS

### Fundamentals of Programming and Computer Science

Pittsburgh, PA

Term Project

Jan. 2023 - May 2023

- Created an interactive Python game in VS Code, designing animations and interfaces while integrating object-oriented programming and optimizing efficiency through diverse data structures
- Streamlined a 5-week implementation process through strategic planning and coordination of tasks, encompassing version control, debugging, and proactively incorporating mentor feedback to optimize project outcomes

### Database Design and Development

Pittsburgh, PA

Project

Aug. 2023 - Dec 2023

- Re-engineered the database development lifecycle from conceptualization to functional SQL query implementation using Postgres and Python for LinkedIn with team of two
- Implemented 10 user stories by progressing through conceptual, relational, and physical models, emphasizing data integrity, normalization, and optimization

## EXTRACURRICULAR ACTIVITIES

### Design for America

Aug. 2022 - Current

- Partnering with Footbridge for Families' CEO and company employees to redevelop the company's website design, strategically aiming to attract new governmental clients
- Leveraging data analytics to identify customer data patterns to realign organizational objectives with government preferences to increase funding for community support

## SKILLS

Technical: Python, Java, R Studio, SQL (Postgres), MongoDB, Excel, Word, PowerPoint, Figma, Ruby/Rails, Node.js

Languages: Mandarin (Native), English (Native)