Carolyn Zeng

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Skills

Speaking Languages: English (Native), Mandarin Chinese (Fluent), German (Intermediate)
Coding Languages: Python, R, SQL**,** Java, JavaScript, JSON**,** C, C++
Certifications: AWS Certified Cloud Practitioner**,** MOS: Microsoft Excel Associate**,** MOS: Microsoft Access Expert

Education

Columbia University - Master of Science in Applied Analytics   January 2025 – May 2026
College of DuPage - Data Analytics Certificate   August 2024 – On Leave
Cumulative GPA: 4.0
Fall 2024 Academic Honors
University of Illinois at Urbana Champaign - Bachelor of Science in Astronomy   August 2020 - May 2024
Computer Science Minor, Physics Minor
Cumulative GPA: 3.65
Fall 2021 Dean's List

Experience

HomeGoods Retail Associate   August 2024 –
- Gained genuine working experience with the general public   December 2024
- Experienced working with different coworkers and adapting to their attitudes while on-duty
- Learned how scheduling and responsibility functions in a work environment

Intro to Astrophysics (ASTR210) Course Grader and Astronomy Department Tutor   Jan 2023 - May 2024
- Increasing efficiency in working, particularly in making calculations and grasping key concepts from reading
- Reviewing vital knowledge for astronomy research
- Helping students learn and become familiar with terms and concepts crucial to continued study in astronomy

Field Museum Discovery Squad Volunteer   June 2022 – On Leave
- Improving public speaking skills presenting specimens and artifacts to museum visitors
- Gauging interest, maintaining positive body language and interactions, and adapting to visitor needs
- Commuting and working independently and on a team of volunteers and staff

Projects

Library Database and UI (Database Application Project)   November – December 2024
- Using Microsoft Access, created a database and accompanying UI to add, edit, and search books by title, author, and topic

System Programming Projects   August – December 2023
- Implemented a chatroom utilizing client-server architecture, C Shell terminal, and various C utilities in C while learning the language

GenreExplorer (Data Structures Final Project)   October – December 2021
- With two other classmates over 6 weeks, created a graph of interconnected music genres and an interface to search and visualize the graph
- Improved collaborative project development skills and learned how to formally organize a group to complete a coding project

Software Design Studio Projects   January – May 2021
- Created among other things an ideal gas simulation, C++ linked list structure, and simplified drawing program akin to Microsoft Paint
- Learned C++and tools such as CMake through active use of the language

What To Order (Intro to CS Machine Project)   October – December 2020
- Over the course of several weeks implemented an Android application in Java that allowed the user to search local restaurants by name, price, and food category
- Established client-server architecture in the application with a review function