# Carolyn Zeng

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## Education

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| **Columbia University -** Master of Science in Applied Analytics | January 2025 – May 2026 |

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| **College of DuPage -** Data Analytics Certificate | August 2024 – On Leave |
| **Fall 2024 Academic Honors** | Cumulative GPA: 4.0 |

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| **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 – December 2024
- Gained genuine working experience with the general public
- 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

## 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