

Carolyn Zeng

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Education

University of Illinois at Urbana Champaign

Bachelor of Science in Astronomy

Computer Science Minor, Physics Minor

August 2020 - May 2024

Cumulative GPA: 3.65

Relevant Coursework:

Fall 2020 Intro to Computer Science
Introduction to Astrophysics

Spring 2021 Software Design Studio
Discrete Structures

Fall 2021 Introduction to Data Structures and Algorithms with C++
The Big Bang, Black Holes, and the End of the Universe

Spring 2022 Relativity & Math Applications
Computer Architecture
Linear Algebra with Computational Applications

Fall 2022 Computing in Astronomy
Probability and Statistics for Computer Science
Thermal Physics
Quantum Physics

Spring 2023 Planetary Systems
Intro Differential Equations
Classical Mechanics I

Fall 2023 Galaxies and the Universe
System Programming
Electromagnetic Fields I

Spring 2024 Astronomical Techniques
Introduction to Quantum Information and Computing

College of DuPage

Data Analytics Certificate

August 2024 - May 2025

Relevant Coursework:

Fall 2020 Computers/Information/Systems
Data Analysis w/ Spreadsheets
Database Application

Awards

Fall 2021 Dean’s List (GPA 3.85, top 20% of class)

Experience

HomeGoods Retail Associate (August 2024 - Present)

- 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 (2023-2024)

- 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

Intro to Computer Science (CS125) Course Assistant (2021-2022)

- Improving time-management and prioritization
- Learning valuable collaboration and teaching skills
- Helping other students in learning and understanding core Java concepts and completing a major final project app

Field Museum Discovery Squad Volunteer (2022-current)

- 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

Student at IBM Accelerate (Summer 2022)

- Learned about the process and parts of software development from current employees at IBM
- Networked with professionals and other students within the field
- Worked individually and collaboratively on a website including frontend JavaScript and backend server interactions
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Skills

Speaking Languages	Coding Languages	
English (Native)	Python	JavaScript
Mandarin Chinese (Fluent)	HTML	Arduino C
German (Intermediate)	CSS	JSON
Japanese (Elementary)	Java	C++
		C
AWS Certified Cloud Practitioner	MOS: Microsoft Access Expert	MOS: Microsoft Excel Associate