

Carolyn Zeng

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Education

University of Illinois at Urbana Champaign

Astronomy Major in the College of Liberal Arts and Sciences, Computer Science Minor, Physics Minor

Enrollment Date & Graduation: August 2020 - May 2024 (Undergraduate Senior)

Cumulative GPA: 3.7

2020 Courses: Intro to Computer Science, Introduction to Astrophysics, Software Design Studio, Discrete Structures

2021 Courses: Introduction to Data Structures and Algorithms with C++, The Big Bang, Black Holes, and the End of the Universe, **Fall 2021 Dean's List (GPA 3.85, top 20% of class)**

2022 Courses: Relativity & Math Applications, Computer Architecture, Linear Algebra with Computational Applications, Computing in Astronomy, Probability and Statistics for Computer Science, Thermal Physics, Quantum Physics

2023 Courses: Planetary Systems, Intro Differential Equations, Classical Mechanics I, Electromagnetic Fields I, System Programming, Galaxies and the Universe

2024 Courses: Astronomical Techniques, Intro Quantum Information and Computing

Experience

Intro to Astrophysics (ASTR210) Course Grader and Astronomy Department Tutor (2023-current)

- 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

Skills

Speaking Languages
English (Native)
Mandarin Chinese (Fluent)
German (Intermediate)

Coding Languages
Python
HTML
CSS
Java

JavaScript
Arduino C
JSON
C++
C