**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**

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| **Speaking Languages**  English  Chinese (Native)  German (Intermediate) | **Coding Languages**  Python  HTML  CSS  Java | JavaScript  Arduino C  JSON  C++  C |