

Zack Freeman

rzacktodd@gmail.com | Salt Lake City, Utah | 801-395-4696

Education

University of Utah

May 2025

Bachelor of Science: Computer Science

GPA: 3.90

Bachelor of Science: Physics with an emphasis in Astronomy and Astrophysics

GPA: 3.90

- Awarded Dean's List: 6 semesters
- Key Scholarships: Departmental Scholarship (\$5,000) – New Century Scholarship (\$4,000) – Trustees Scholarship (\$3,000) – Guodong Li Scholarship (\$3,000) – David S. Anderson Scholarship (\$2,000)
- Key Courses: Algorithms (IP) – Foundations of Data Analysis (IP) – Algorithms and Data Structures – Software Practice I & II – Differential Equations and Linear Algebra – Discrete Mathematics

Experience

University of Utah

Research Assistant – Dr. Anil Seth

May 2022 – Present

- Searching for potential microlensing events due to stellar mass black holes using Hubble Space Telescope (HST) archival data from the past ~12 years.
- Paper expected by first quarter of 2024.

Undergraduate Student Advisory Committee (UgSAC) - Kahlert School of Computing (KSoC)

- President Fall 2022 – Present
 - Lead UgSAC in assisting students and faculty with the tasks stated in the member section below.
 - Emphasizing work in events that can assist students with career development.
- Member Fall 2021 – Spring 2022
 - Write formal Retention, Promotion, and Tenure (RPT) reports for incoming and current KSoC faculty.
 - Serve as a liaison between students and faculty.

Learning Assistant – Foundations Astronomy

Fall 2022

- Learning Assistant of the Year Nominee.
- Lead weekly class discussions.
- Assisted Dr. Gail Zasowski with development of discussion problems.

Physics and Astronomy (PANDA) Mentorship Program

- Committee Member Fall 2022
 - Designed activities that assisted mentors with teaching their mentees the soft skills needed to navigate the university experience.
 - Worked with a team of professors and students.
- Mentor Spring 2022
 - Assisted incoming Physics and Astronomy students with developing soft skills such as communication with professors, time management, etc.