

EDUCATION

•University of Oregon*September 2020 - June 2024 (expected)**BS Mathematics, CS minor*

GPA: 4.0

RESEARCH EXPERIENCE

•Math Summer Research Project*June 2023 - September 2023**Undergraduate Researcher*

Eugene, OR

- I received funding from the University of Oregon Math Department to work with Chris Sinclair over the summer.
- I read Peter Walters's book on ergodic theory, studying measure-preserving transformations, ergodicity and mixing, measure-theoretic and topological entropy, and topological pressure.

•Kern-Ralph Co-lab*September 2022 - present**Undergraduate Researcher*

Eugene, OR

- I worked with Victoria Caudill, a graduate student in the Kern-Ralph co-lab to visualize and interpret data from coevolution simulations. I presented my results during lab meeting in June 2023.
- This academic year, our goal is to better understand patterns we observed in our simulated data using a mathematical model.

•University of Oregon Math Department Honors Thesis*September 2023 - present**Departmental Honors Candidate*

Eugene, OR

- I am working on a departmental honors thesis in mathematics. My advisor is Chris Sinclair. I am studying random matrix theory, specifically Gaussian Ensembles.
- Our goal is to investigate if there is a β value other than 1, 2, or 4 for which we can evaluate the partition function.

WORK EXPERIENCE

•University of Oregon Accessible Education Center*September 2022 - December 2022**Peer Note-taker*

Eugene, OR

- I submitted my class notes to the Accessible Education Center so that students with accommodations could receive class notes.

•University of Oregon Math Department*September 2021 - March 2023**Paper Marker*

Eugene, OR

- I marked student homework and gave the students feedback about their performance.
- I communicated with instructors to let them know if there was a particular concept that most of the class did not show proficiency in.

•University of Oregon Tutoring and Academic Engagement Center*September 2022 - present**Math Tutor, Senior Math Tutor*

Eugene, OR

- I tutor students in a one-on-one drop-in environment, in appointments, and in small groups.
- I design review sessions for students to attend periodically throughout the term. I write lecture notes, worksheets, and solutions.
- I design skill check-ins for tutors and create short review presentations based on the topics they are struggling with.
- I develop materials that tutors can reference if they are not comfortable or familiar with the material in a particular class.

SCHOLARSHIPS AND OTHER AWARDS

•UnderGrEBES Scholarship. Research scholarship.*Winter 2023***•Summit Scholarship.** Academic merit scholarship.*September 2020 - present***•Dean's List.***2020-present*