

# Anya Lee

4820 Meredith Way, Apt 203, Boulder, CO 80303 • anyalee6810@gmail.com • (408) 809-6652

## Education

### Master of Science in Applied Mathematics

*Expected Graduation May 2026*

University of Colorado, Boulder, CO

- Specialization: Statistics and Data Science
- Relevant Coursework: Advanced Statistical Modeling, Big Data Tools, Statistical Learning, Machine Learning, Mathematical Statistics, Statistical Methods and Applications
- Clubs: Association for Women in Math

### Bachelor of Science in Mathematics

*Graduated Jun. 2024*

Oregon State University, Corvallis, OR

- GPA: 3.87/3.90
- Relevant Coursework: Introduction to Python, Methods of Data Analysis, Numerical Linear Algebra, Computational Number Theory, Systems of Ordinary Differential Equations, Complex Variables
- Honors & Awards: Dean's list 8 quarters
- Clubs: Sigma Delta Omega (STEM sorority), Association for Women in Math, Math Club

## Experience

### University of Colorado, Boulder; Research Assistant

*Jun. 2025 – July. 2025*

- Developed four Jupyter Lab Python Notebooks that load, pre-process, and analyze Optimum Interpolation Sea Surface Temperature (OISST) yearly data stored in 15,979 NetCDF files
  - Conducted detrending and removing seasonal cycle of Sea Surface Temperature (SST) time series
  - Apply a fixed-scale length spatial smoothing filter using gcm-filters package on GitHub
  - Apply a spatially-varying scale length spatial smoothing filter using the same package
  - Marine Heat Wave (MHW) detection of SST by computing metrics and analyzing plots with Eric Oliver's marineHeatWaves package on GitHub

### Oregon State University; Math Grader

*Sep. 2022 – Jun. 2024*

- Created key and rubric for student assessments (8 homework, 5 exams)
- Communicated and met with instructor about grading preferences
- Conducted grade entry and provided constructive commentary

### Robust Intelligence; Software Engineer Intern

*Jun. 2023 – Sep. 2023*

- Developed and tested a Jupyter Notebook that assists engineers in their demonstration of Generative AI stress testing
  - Used a previous stress test notebook and evaluated its functions as a reference
  - Generated the notebook based on company specifications
  - Executed the notebook using API tokens and confirmed valid output
- Wrote a python script that adds "Related Topics" links to the bottom of company web documentation
- Found and fixed bugs in documentation code
- Presented internship learnings and accomplishments to the company

### Linear Labs, Inc.; Data Analytics Intern

*Jul. 2022 – Aug. 2022*

- Converted handwritten data into over 1000 Excel rows to facilitate the analysis of work station average time to completion

## Volunteer Work

### Advocates for Women in Science, Engineering, and Math; Mentor

*Feb. 2021 – Jun. 2024*

- Assisted the education of kids in 5th to 8th grade through conducting 20 science activities and experiments
- Taught science concepts, applied previously developed skills, and developed connections

### Association for Women in Math Club; Treasurer and Member

*Sep. 2022 – Jun. 2024*

- Organized club fundraisers
- Maintained necessary budget records for 3 quarters
- Worked with grade school kids on STEM topics
- Collaborated with other clubs to discuss Diversity, Equity, and Inclusion within the math community

## Additional Skills

- Proficient: Microsoft Excel and Word; G-Suite: Google Sheets, Slides, and Docs
- Proficient: Python, R, SQL, R Markdown, Scala, Spark, MatLab, (Wolfram Alpha) Mathematica, and LaTeX
- Proficient: Jupyter Notebook, GitHub, Linear, Slack, IntelliJ
- Fundraising (OSU STEM Academy K-12 Education through Sigma Delta Omega philanthropy)
- Hardworking | Organized | Detail-oriented | Adaptable | Work well in groups | Computer literate | Strong communication skills | Time management | Problem solving
- Sports
  - Badminton: recreationally and attend OSU badminton classes
  - Softball: played high school (2016-2020) and club teams (2010-2020)
  - Basketball: intramural women's basketball in a team of 5 players (Winter 2022)