

# ANDREW LENZ

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Berkeley, CA

## EDUCATION

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**University of California, Berkeley | Berkeley, CA**

Expected Graduation - May 2022

College of Engineering: Bachelor of Science: EECS; Minor in Data Science

GPA: 3.74

**Selected Honors and Awards:** Dean's Honor List (2018), Outstanding Academic Intern (2019)

**Computer Science Coursework:** Data Structures (61B), Computer Architecture (61C), Algorithms (170), Principles of Data Science (Data 100), Optimization Models (127), Data Science Probability (Prob 140)

**In Progress:** Machine Learning (189)

**Other Coursework:** Multivariable Calculus, Linear Algebra, Introductory Physics, Organic Chemistry

## SKILLS

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**Technical** Python (Numpy, Pandas, Scikit-Learn), Java, SQL, Git, C, Google Suite

**Non-Technical** Collaboration, Communication, Event Planning, Time Management

**Interests** Gardening, Singing, Reading Science Fiction, Hiking, Cooking, Piano

## EXPERIENCE

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### UC Berkeley Data Science Department

*Undergraduate Student Instructor (TA)*

Jan 2021 - Present

- Taught 40+ students bi-weekly to discuss new concepts and solve problems together, covering concepts such as SQL, feature engineering, data visualization, and linear and logistic regression.
- Met with small groups of 4 students for guided discussion of homework problems

### UC Berkeley EECS Department

*Tutor*

Aug - Dec 2020

- Met with groups of 5 students for 30 minutes each week to work on problem sets to develop and retain understanding of new concepts such as Python, recursion, simple data structures, Scheme, and SQL.
- Facilitated a space where students felt comfortable sharing concerns and struggles with the material.

*Undergraduate Student Instructor (TA)*

Jun - Aug 2020

- Taught 40+ students for 3 hours each week to discuss new concepts and work on problem sets.
- Supported students by hosting individual office hours and responding to questions on course forum.

*Academic Intern*

Jun - Aug 2019

- Awarded Outstanding Academic Intern for making a positive impact on students' success and understanding.
- Assisted students individually in lab section with software development projects.

### Hessian Pharmaceuticals

*Research & Development Intern*

Feb - Jun 2019

- Determined mechanism of action from research of failed pharmaceutical products by reading scientific articles.
- Created and implemented tools in Jupyter Notebook to obtain patient counts for conditions including sepsis
- Aggregated clinical trial data for use with machine learning algorithms to optimize patient populations.

## EXTRACURRICULAR ACTIVITIES

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### Biomedical Engineering Society

*Academic Committee Co-Chair*

May 2019 - Apr 2020

- Worked with other incoming officers to host the BMES informational table at Cal Day and produced 100+ zines to introduce incoming students to UC Berkeley Department of Bioengineering.
- Lead a committee of 20+ students to host academic bioengineering events throughout the school year.
- Publicized events through social media and communication channels that reached 100+ people.

### For Christ's Sake A Cappella | Vocal Ensemble

Fall 2018 - Summer 2020

- Created and helped teach a cappella arrangements from Spring 2019 to present.
  - Assisted in writing a skit to communicate our message for the Fall 2018 concert.
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