

ANDREW LENZ

andrew.lenz@berkeley.edu ‡ 669.237.7401
Berkeley, CA

EDUCATION

University of California, Berkeley | Berkeley, CA Expected Graduation - May 2022
College of Engineering: Bachelor of Science in EECS; Minor in Data Science GPA: 3.76

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

Coursework:	Cyber-Physical Systems*	Machine Learning	Data Structures
	Internet Security*	Probability Theory	Stochastic Processes
	Optimization	Data Science Principles	Efficient Algorithms
	Information Systems	Computer Architecture	

(* Denotes In Progress)

EXPERIENCE

Undergraduate Student Instructor (TA)

UC Berkeley Data Science Department 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, linear and logistic regression, and random forests.
- Maintained and updated the course website with weekly course materials, staff information, and calendar.
- Created a Python script to generate staff bio Markdown files by accessing the Google Sheets API.
- Met with small groups for guided discussion and presentation of homework problems.

UC Berkeley EECS Department

Jun - Dec 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.

Software Development Intern

Amazon - Physical Stores Tech

Jun - Aug 2021

- Implemented a report to provide discrepancy details between live and published states of the physical stores, saving ~40 associate work-hours for a store of 600 racks.
- Utilized tools including Spring Framework for dependency injection and queues for asynchronous publishing.

Research & Development Intern

Hessian Pharmaceuticals

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

Academic Committee Co-Chair

Biomedical Engineering Society

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.

SKILLS

Languages	Python	Java	SQL	C	HTML/CSS	LaTeX
Technologies	Numpy	Pandas	Scikit-Learn	Spring Framework	Git	
