

# Anna Bauer

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## EDUCATION

### University of California, Santa Barbara

*Bachelor of Science in Statistics & Data Science*

*Bachelor of Arts in Economics*

June 2023

GPA: 3.89/4.0

- Magna Cum Laude — High Honors

## PROFESSIONAL EXPERIENCE

### DNV Energy Insights | Python, DevOps, Git

Jun 2022 - Sep 2022

*Energy Data Science Intern*

- Developed new internal weather data API to streamline weather data scraping and analysis for 400+ employees.
- Designed 4-tab dashboard for a key client, including filters for timeseries, aggregated, and filtered data.
- Cleaned 6 datasets and assessed data quality, adding documentation and creating scheduling engines.
- Ensured that development aligned with project scope by seeking feedback from the product team and stakeholders.
- Educated 70+ employees on energy efficiency's technical and economic potential by leading department meeting.

### Santa Barbara County | Excel, R

Jun 2021 - Dec 2021

*Administrative Data Intern*

- Utilized R and Excel programs to update and query project information regarding legal transactions.
- Collaborated with the administrative assistant to ensure deliverables were complete by project deadlines.
- Calculated and recorded CPI-based rent increases for over 2,000 commercial leases in Santa Barbara County.

## UNIVERSITY EXPERIENCE

### UCSB Center for Financial Math and Actuarial Research | Python

Sep 2022 - Jun 2023

*Undergraduate Research Assistant*

[Publication](#)

- Leveraged TensorFlow and PyTorch deep learning libraries to predict the optimal price of American options.
- Implemented and compared 5 neural network solvers over 11 various American options with differing payoffs, time dimensions, and underlying dynamics. Provided reproducible results by benchmarking successful solvers.
- Published paper on research findings as the main author to the UCSB UCRA Academic Journal.

### Data Science UCSB | Python, CSS, HTML, Git

Sep 2020 - Jun 2023

*Internal Vice President*

- Managed 16 officers to ensure that project showcase, career fair, learning pipelines, workshops, and alumni events successfully prepared students for the industry. Led project, personal website, and resume workshops.
- Pitched club to engineering department and corporate affiliates, obtaining \$6,000 annually for project sponsorship.
- Used HTML and CSS to manage GitHub repository, editing and updating the club [website](#) for 600+ members.

### 180 Degrees Consulting | PowerPoint, Excel, Python

Oct 2021 - Jun 2023

*Director of External Affairs | Strategy Consultant*

- Provided consultancy for one non-profit organization during each academic quarter, extrapolating from recruitment and retainment research to develop recommendations and maximize the non-profit's social impact.
- Developed data visualizations in Python to provide evidence for recommendations and final deliverable content.
- Drove partnerships with top consulting firms, facilitating 8+ speaker events and 5 recruitment events.

## FEATURED PROJECTS

### Text Reminders App | AppleScript

September 2022

*Sole Creator*

[GitHub](#)

- Developed app to schedule send iMessages by integrating AppleScript with a scheduling engine and Sheets API.
- Increased communication efficiency with schedule send capability for Data Science Club reminder messages.

### Spotify Million Songs Project | R

Jan 2022 - Mar 2022

*Primary Contributor*

[Report](#)

- Predicted song popularity with an average of 8% error by training, testing, and tuning K-nearest neighbors, multivariate adaptive regression splines, Bayesian additive regression trees, and elastic net models.
- Prepared a comprehensive, easily understandable [report](#) of the process from start to finish. Included data tidying, exploratory data analysis, model building, model visualizations, tuning, and final conclusions.

## SKILLS AND INTERESTS

- **Programming:** Proficient in Python, R, Git, and Microsoft Suite. Familiar with SQL, HTML, CSS, and C++.
- **Certifications:** AWS Certified Cloud Practitioner, Azure Cloud Fundamentals.
- **Interests:** Swimming, water polo (Collegiate WP Scholar Athlete), visiting national parks, sailing.