

# Anna Gornyitzki

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## SUMMARY

I am an undergraduate student at UC Santa Barbara pursuing Bachelor's degrees in Computer Science and in Statistics and Data Science, graduating June 2027. I am seeking an internship in Software Engineering, Data Science, or Data Engineering.

## SKILLS

**Programming Languages:** Python, C++, Java, SQL, R, SAS

**Databases:** MySQL, SQLite, SingleStore, Pinecone

**Tools and Platforms:** Jupyter Notebook, PyTorch, TensorFlow, NumPy, pandas, Google Cloud Platform (Vertex AI, BigQuery), DBeaver, Linux/Bash, Git

## EDUCATION

**BACHELOR OF SCIENCE: COMPUTER SCIENCE, STATISTICS AND DATA SCIENCE** 06/2027  
**University of California, Santa Barbara, Goleta, CA**

### Related Coursework:

- Python and Data Structures (CMPSC 9)
- C++ and Data Structures (CMPSC 16/24)
- Object-Oriented Computing (CMPSC 32)
- Assembly Language Programming (CMPSC 64)
- Data Structures and Algorithms (CMPSC 130A-B)
- Artificial Intelligence (CMPSC 165A)
- Database Design Principles and Manipulation using SQL (PSTAT 10)
- Data Science Programming in R (PSTAT 10)
- Design of Experiments (PSTAT 122)
- Probability and Statistics (PSTAT 120A-B)
- SAS Base Programming (PSTAT 130)

## EXPERIENCE AND PROJECTS

**UCSB Computer Science Department** | Santa Barbara, CA 01/2025 to Current

**Undergraduate Research Assistant** <https://github.com/annagornyitzki/ucsb-ura-chat-classification-llm>

Mentored by Dr. Nir Chemaya. Developed and refined prompts, automated simulations with Python, processed datasets using Pandas, and analyzed results with MySQL. My work focused on designing reproducible workflows and evaluating model consistency, highlighting the use of programming and data tools to support experimental research with large language models.

**Daily Nexus** | Santa Barbara, CA 09/2024 to Current

**Data Scientist** <https://github.com/annagornyitzki/ucsb-islavista-arrest-heatmap>

Serve as a data scientist for UCSB's student newspaper, using Python, R, and SQL to collect, analyze, and visualize data for investigative articles. Built visualizations and managed databases to generate structured insights. Used data to tell impactful stories through visualizations and journalism, highlighting how data can inform and engage the public.

**SB HACKS XI** | Santa Barbara, CA 01/2025

**Hackathon Winner - Best use of Sycamore (Aryn)** <https://devpost.com/software/nobuai>

My team designed a full-stacked AI research assistant that generates real-time summaries and citations using GPT-4o. I implemented backend API integration in Python for efficient data embedding and retrieval. I integrated Aryn's API with SingleStore's vector database to store and analyze large datasets.

**Walmart Global Tech** | Bentonville, AR 04/2025

**Software Engineering Sophomore Summit**

Selected to attend the Walmart Software Engineering Sophomore Summit, where I strengthened my data structures, algorithms, and technical interviewing skills through hands-on coding workshops with Walmart Global Tech engineers. Gained exposure to large-scale software engineering practices and the role of technology in retail innovation.