

Haley Boswell

Physics Undergraduate

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EDUCATION

Santa Monica College

Santa Monica, CA

February 2022 - Present

- **GPA:** 3.96

EXPERIENCE

UCLA Break Through In Tech AI- *Machine Learning Fellow*

Los Angeles, CA

May 2024 - Present

- Current enrollment in a comprehensive Machine Learning course provided by eCornell
- Applying machine learning techniques to practical projects and collaborating with peers to solve real-world problems

Boundless Brilliance- *Program Coordinator (Volunteer)*

Los Angeles, CA

October 2022 - January 2024

- Developed STEM experiments focused on elementary science education and diversity outreach in line with California's NGSS.
- Facilitated interactive STEM activities at public events.

LIGO Labs, Caltech- *Research Intern*

Pasadena, CA

June 2023 - August 2023

- Worked on detection methods for gravitationally-lensed gravitational waves.
- Enhanced data analysis techniques to better distinguish signal from noise.
- Authored a paper and presented the results upon project completion.

SKILLS

- **Programming Languages:** Python, C, C++
- **Data Analysis:** Bayesian Statistics, Data Preprocessing (Normalization, Scaling, Encoding, Feature Engineering)
- **Machine Learning:** Algorithms, Model Training, Evaluation Metrics
- **Tools and Technologies:** LaTeX, Jupyter Notebooks, Microsoft Office
- **Other Skills:** Scientific Research, Technical Writing, Presentation Skills