

Daisy Christine Abbott

Personal Website <https://daisy-abbott.github.io/>

daisy.c.abbott.22@gmail.com | Claremont, CA, 91711

Education

2021-2025

Pomona College

BA Computer Science, Minor in Music GPA: 3.9/4.0

Honors: Pomona College Scholar (Spring '22) Top 25% of Class of 2025

Involvements: Member of PAI (Pomona Artificial Intelligence Club), Physics TA, Computer Science Mentor, Member of Pomona College Orchestra

Relevant Coursework: Machine Learning, Data Structures, Language and Functional Programming, Intro Python, Discrete Math, Linear Algebra, Calculus I, II, Physics Robotics With a Purpose.

Experience

May 2023-Current

Anthony J Clark PhD in Computer Science and Engineering

Claremont, CA

Research Assistant

- Working to develop an autonomous robot capable of navigating challenging terrains.
- Training Convolutional Neural Networks on datasets collected within Unreal Engine 5.
- [Abstract:](https://github.com/daisy-abbott/ARCSLab-reports/blob/master/Abstract.pdf) <https://github.com/daisy-abbott/ARCSLab-reports/blob/master/Abstract.pdf>
- **Skills:** Modeling in Blender, training machine learning models, WandB, Python

May 2023-Aug 2023

Stonewall Analytics

Remote | CA

Data Engineer

- Designed efficient database schemas, optimized data processing pipelines, and established seamless connectivity with Snowflake DataWarehouse.
- Streamlined data ingestion, transformation, and analysis processes.
- Proficient in advanced SQL querying techniques for efficient data integration and analysis within Databricks.

Aug 2022-Dec 2022

Physics Department Pomona College

Claremont, CA

Teaching Assistant

- Helped students solve technical problems
- Explained lab procedures
- Helped troubleshoot and problem solve uncertainties in data

Aug 2021-Dec 2021

Physics: Robotics With a Purpose

Claremont, CA

Computer Science Mentor

- Taught the *Femineers* at a local high school the basics of Python
- Helped them program and fly drones
- Gave general mentoring advice on applying to college and entrance into STEM fields.

May 2021-Aug 2021

Gold Ridge Resource Conservation District

Sebastopol, CA

California Climate Action Corps Fellow

- Wrote an [article](#) on the effects of drought on wildfire
 - Measured pH of streams to improve wildlife conditions
 - Wrote outreach letters to the community
 - Met with committee members to discuss rainwater catchment systems and the best ways to implement them
-

Personal

- **Hobbies:** Violin, wordle, board games, surfing
- **Skills:** Machine Learning Models, Python, Java, Neural Nets, Random Forests, SQL Querying, Pandas, HTML & CSS, LaTeX, GitHub, Blender, Excel