



Malia Barker

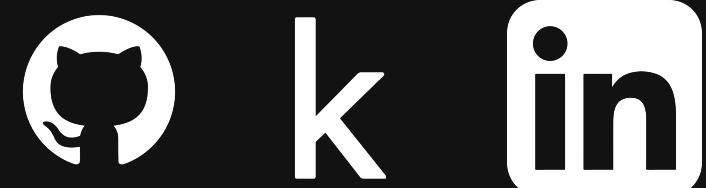
Home About Skills Blog Resume Contact

Hello,

I am Malia Barker

Data Analyst and Web Developer

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My Passion and Drive

I am a data analyst, web developer, and student based in Northern California.

I have a passion for astronomy and physics, publishing my first paper in astronomy at just 17 years old.

Even stronger than my passion for the sciences is my interest in expanding the intersectionality of physical sciences and technology.

I believe technology is the new frontier, something everyone will know and use to drive research in all areas of study, especially in physics and astronomy.

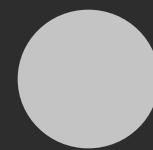
I want to be at the forefront of this expanding world, which is why I am pursuing a bachelors in applied computer science with a concentration in data science at the Dominican University of California and an associates in physics.

I am a team player and love collaboration with new minds and perspectives. If you are interested in my work or ideas...

Contact me

And let's make something ground-breaking





Proficient Knowledge of
Languages: Python, Javascript
Data Tools: Pandas, Numpy, Matplotlib, Seaborn, SciKit Learn
Web Frameworks: Flask
Database Tools: MongoDB, PyMongo

Showcased in the Projects Below

Project Name

Project Name

Project Name

Project Name

Project Name

Stack Used:
Skills Learned:



► Data Science

- Analysis of NASA Meteorite Dataset

► Web Development

- Creating A New Way to Improve Mental Health & Connect With the Community

Analysis of NASA Meteorite Data

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[Read More ...](#)

March 14, 2022

Data Science

NASA, Data Anlysis, Data Visualization, Meteorites

[Open Article on Medium](#)

[Open Notebook on Kaggle](#)



 Malia Barker

A curious and collaborative student ready to contribute to the intersection of computer science and physics.
(808) 866-0801 maliabarker@icloud.com

Experience

CSSI: ONLINE PARTICIPANT, GOOGLE – SUMMER 2021

- Participated in a four-week intensive computer science summer program for high-achieving students and completed an introductory project-based JavaScript processing curriculum taught by Google engineers
- Attended product design, resume development, and software engineering interview workshops
- Configured twenty individual coding projects in JavaScript by using concepts such as variables, data types, and functions. Delivered a collaborative final project presentation that included a live demonstration to Google employees and community leaders

DR. HSIN-YI SHIH'S ASTRONOMY SEMINAR AND PAPER – FALL 2018

- Identified eight double-star systems from the Stelle Doppie database in order to analyze position angle and arc length and update database records accordingly
- Utilized AstroImageJ software package to process images obtained from the Las Cumbres Observatory network, performing additional research as needed to verify reliability of outlier data
- Results recorded for publication in April 2019 issue of *Journal of Double Star Observations (JDSO)*

Education

Dominican University of California, San Rafael, CA, Bachelor's of Applied Computer Science 2023

University of Hawaii Maui College, Kahului, HI, Dual Enrollment 2019

Kihei Charter High School, Kihei, HI, High School Diploma 2019

Skills

- Practiced real world applications of teamwork and collaboration by contributing, merging, and creating pull requests through the git protocol.
- Practiced applications of languages, web frameworks, databases, and front end development through 29 GitHub repositories including Javascript, Python, Flask, MongoDB, HTML, custom css, and bootstrap.
- Utilize Google's Colab notebooks to create 4 unique sets of data analysis and visualization using datasets including Kepler Exoplanet data, Palmer Penguins data, and Big Cities Health Coalition data.
- Created 5 live online applications hosted by Heroku.
- Created two projects that were proposed and pitched to a board of instructors and students.

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