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Benjamin Aleman

Github: github.com/thethinkingben

Hello! My name is Benjamin Aleman and I'm currently interested in the research program you're conducting. While I may not have the most experience in research ventures I believe I can make it up with my experience in previous outreach endeavors and employing my rigor from them along with my developing knowledge of Python.

EDUCATION

University of California Berkeley,
BA in Astrophysics; minor in Creative Writing; GPA 3.18/4.0

Berkeley, CA
Expected Grad. 2024

RESEARCH INTERESTS

My research interests are mainly focused on computational Astrophysics. Focusing on simulating and observing any cosmological object or phenomena

SKILLS

Tools and Languages	Python, \LaTeX , Markdown, Google Drive
Libraries	Matplotlib, Numpy, Scipy, Astropy, Pandas, Jupyter
Communication	English

RESEARCH EXPERIENCE

Python Decal 2021 — 2022

Worked to create a simulation of a binary star system with vast libraries and creating object oriented programs

- Collaborator: I collaborated with group to utilize object oriented programs to apply vectors and appropriate physics equations for both stars in a binary system and planets orbiting one of the said stars

RESEARCH TALKS

Python Decal Final:

- Scheduled to present the research and work done to simulate a binary star system with their associated planets

OUTREACH/TEACHING

Peer Mentor/Advisor,
SPS Berkeley

Berkeley, CA
January 2021 — Present

- Co-mentor for one of the 'families' in the Society of Physics Students in Berkeley.
- Coordinate events to foster communication with new peers to create a community with each and be a mentor for anyone who need guidance.

Workshop Coordinator, AVID Site Coordinator,
Miguel Contreras Learning Complex - College 101

Los Angeles, CA
January 2017 — June 2020

- I was the Head Coordinator for a weekly workshop designed. I taught multiple groups, organized materials and events, managed a group of peers while fostering cooperation

Peer Tutor/Advisor,
Peer tutor and advisor for my school's YPI to help with college apps. and serve as an academic tutor

Los Angeles, CA
January 2018 — June 2020

ACTIVITIES/HOBBIES

- Writer
- Occasional Tutor