OMAR M. ALJEBRIN

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EDUCATION

George Mason University, Honors College, Virginia   *January 2022 - Present*

Bachelors of Science in Physics, Minor in Astrophysics   GPA: 3.7

RESEARCH EXPRINECE

Undergraduate Research Assistant, George Mason University   *May 2024 - Present*

Propose functions to fit position-versus-time data of a coronal mass ejection (CME) and determine the times of transition between its slow rise, impulsive, and propagation phases.

EXPRINECE

NASA L'SPACE Mission Concept Academy   *Aug. 2024 - Dec. 2024*

Participant - Team Role: Chief Scientist

- Gained hands-on experience in space mission concept formulation, focusing on science goals, objectives, and success criteria, while following the NASA mission life cycle up to the Preliminary Design Review.

- Led and supported the development of science goals and payload selection, ensuring alignment of engineering design with scientific objectives and coordinating landing site research.

HONORS & AWARDS

Dean's List   *2023 – Present*

Cumulative GPA above 3.5

3rd Place, GMU Calculus Olympiad (Team)   *May. 2024*

CONFRANCES & PRESNATIONS

Honors Collage Exhibition   *Dec. 2024*

Machine Learning and Superconductors: How can quantum machine learning improve the accuracy of predicting the critical temperature of superconductors?

AGU24, Co Author   *Dec. 2024*

The Effect of Reference Map and Neighborhood Size on the Fractional Skill Score of Modeled Coronal Holes

SKILLS

Python

1 year of experience working with data analysis, simulation, and modeling. Packages: Numpy, Scipy, Pandas, Matplotlib.