Evan Frangipane

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Education

Ph.D. in Physics *University of California, Santa Cruz*   **Santa Cruz, CA** *2018-2024*
BA in Physics *University of California, Berkeley*   **Berkeley, CA** *2014-2018*

Employment

Graduate Student Researcher, *University of California, Santa Cruz*   *2018 - 2024*
- Engaged in collaborative theoretical physics research resulting in peer-reviewed publications

Teaching Assistant, *University of California, Santa Cruz*   *2018 - 2024*
- Led undergraduate physics lab and discussion sections

Undergraduate Researcher, *Lawrence Berkeley National Laboratory*   *2016 - 2018*
- Participated in detector development for the ATLAS collaboration. Summer research fellowship in Italy.

Research Projects

Revealing terrestrial-mass primordial black holes with the Nancy Grace Roman Space Telescope,   2023
- Utilized Anderson-Darling statistical tests to discriminate between populations of Free-Floating Planets and Primordial Black Holes

Skills

- **Languages:** Python, Mathematica

- **Data Visualization:** Research plots, Conformal diagrams

- **Statistical Analysis:** Hypothesis Testing

- **Mathematics:** Linear Algebra, Differential Equations, Complex Analysis

- **Tools:** LaTeX, Git, Docker, Kubernetes