Michael ANDERSON

INTERN ASTRONOMICAL INSTRUMENTATION

As a recent graduate with a strong foundation in astronomical instrumentation, I am eager to contribute my skills to innovative projects in the field. During my academic career, I focused on developing novel observational techniques and instrumentation for various astronomical applications. My internships allowed me to gain hands-on experience in designing and testing instruments for both ground-based telescopes and space missions.

CONTACT

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San Francisco, CA

SKILLS

- Optical Design Software
- Data Analysis
- Collaboration
- Instrument Calibration
- Research Methodology
- Public Outreach

LANGUAGES

- English
- Spanish
- French

EDUCATION

B.S. IN PHYSICS, UNIVERSITY OF ARIZONA

ACHIEVEMENTS

- Achieved the Dean's List for academic excellence during all semesters.
- Received a research grant for developing educational tools in astronomy.
- Presented at the undergraduate research symposium, awarded Best Presentation.

WORK EXPERIENCE

INTERN ASTRONOMICAL INSTRUMENTATION

Hubble Space Telescope Project

2020 - 2025

- Assisted in the calibration of optical systems for space-based instruments.
- Conducted data analysis to support instrument performance evaluations.
- Collaborated with engineers to design components for upcoming missions.
- Participated in team meetings to discuss project progress and challenges.
- Utilized simulation software to model optical systems.
- Contributed to documentation and reports summarizing research findings.

RESEARCH ASSISTANT

University Observatory

2015 - 2020

- Developed a prototype for a low-cost spectrometer for educational telescopes.
- Conducted tests to validate instrument performance against specifications.
- Assisted in the organization of public outreach events to promote astronomy.
- Collaborated with faculty on research related to exoplanet detection.
- Utilized data analysis tools to interpret observational data.
- Presented findings at university conferences, receiving positive feedback.