MICHAEL ANDERSON

Astrobiology Research Intern

I am an early-career astrobiologist specializing in the potential for life on icy moons, particularly Europa and Enceladus. My work involves a blend of laboratory research and computational modeling to assess the viability of life in environments with subsurface oceans.

CONTACT

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San Francisco, CA

EDUCATION

M.Sc. in Geochemistry
University of Southampton
2016-2020

SKILLS

- Laboratory research
- Computational modeling
- Data analysis
- Scientific writing
- Outreach initiatives
- Team collaboration

LANGUAGES

- English
- Spanish
- French

WORK EXPERIENCE

Astrobiology Research Intern 2020-2023
European Space Agency

- Conducted laboratory experiments to model icy moon environments.
- Assisted in the design of instruments for future exploratory missions.
- Participated in data analysis for potential biosignatures in ocean worlds.
- Collaborated with a team to publish findings in scientific journals.
- Engaged in outreach activities to promote astrobiology education.
- Contributed to grant writing efforts for research funding.

Graduate Research Assistant 2019-2020
University of Southampton

- Investigated geochemical processes in subsurface oceans of icy moons.
- Developed models to predict habitability conditions in extreme environments.
- Published research on ocean chemistry and life potential in reputable journals.
- Collaborated with faculty on interdisciplinary research projects.
- Conducted outreach programs to engage students in astrobiology.
- Maintained laboratory records and ensured compliance with safety protocols.

ACHIEVEMENTS

- Published a paper on icy moons that contributed to ongoing mission planning.
- Secured funding for research on subsurface ocean chemistry.
- Recognized for excellence in research by the University of Southampton.