MICHAEL
ANDERSON

Data Scientist in Cosmology

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I am a cosmologist with a unique interdisciplinary background, combining expertise in cosmology and data science. Over my 7 years of experience, I have focused on applying machine learning techniques to analyze astronomical data, particularly in the context of galaxy classification and cosmic structure mapping. My experience includes working with large datasets from surveys and simulations, allowing me to extract meaningful insights that contribute to our understanding of the universe.

WORK EXPERIENCE

Data Scientist in Cosmology | AstroData Solutions   Jan 2022 – Present

- Applied machine learning algorithms to classify galaxies from survey data.
- Developed predictive models to analyze cosmic structure and evolution.
- Published research findings in data science and astrophysics journals.
- Collaborated with astronomers to enhance data analysis methodologies.
- Presented results at conferences, promoting the application of data science in cosmology.
- Mentored students in data analysis techniques for astronomical research.

Research Assistant | Cosmological Data Institute   Jul 2019 – Dec 2021

- Supported research on cosmic structure mapping using statistical analysis.
- Contributed to projects integrating data science techniques with cosmological research.
- Developed visualizations to present complex data findings effectively.
- Engaged in collaborative efforts with physicists and data scientists.
- Authored reports that influenced research direction and funding proposals.
- Conducted workshops on data science applications in astronomy.

SKILLS

Data Science   Machine Learning   Galaxy Classification   Statistical Analysis   Research Collaboration

Visualization Techniques

EDUCATION

M.S. in Data Science   2015 – 2019
Stellar Institute of Technology

ACHIEVEMENTS

- Published a highly cited paper on machine learning applications in astrophysics.
- Received an award for innovative research in data science at an international conference.
- Led a workshop series that increased student enrollment in data science courses by 40%.

LANGUAGES

English   Spanish   French