





Contact

-  Huntsville, AL
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Skills

- Computational Astrophysics
- Observational Astrophysics
- Theoretical Astrophysics
- Scientific Computing
- Data Analysis
- Data Visualization
- Data Science

Computing Skills

- C++
- Python
- Fortran
- IDL/GDL
- OpenMPI
- AstroPy
- SciPy
- Matplotlib
- NumPy
- pandas

References

Available Upon Request.
Typeset in HTML & CSS
See git.io/f4dXp

ASHKBIZ DANEHKAR

Astrophysicist

Summary

Astrophysicist with lots of experience in data analysis and visualization.
Research interest in AGN, starburst feedback, ISM astrophysics, and nebulae.

Experience

Space Scientist (Astronomy) 2025 – Present
Universities Space Research Association

- Support Interagency Implementation and Advanced Concepts Team.

Research Scientist (Astrophysics) 2022 – 2025
Eureka Scientific Inc

- Conducted research on the black hole spins in radio-quiet AGN.

Research Fellow 2019 – 2021
University of Michigan

- Conducted hydrodynamic simulations of starburst feedback.
- Produced photoionization models of starburst-driven outflows.

Postdoctoral Fellow 2015 – 2018
Harvard-Smithsonian Center for Astrophysics

- Analyzed X-ray data of active galactic nuclei and symbiotic systems.
- Conducted Hubble imaging analysis on ionized nebulae.

Visiting Early-Stage Researcher 2008

- Investigated coupling between dual gravity and a BF model.

Education

Ph.D., Physics and Astronomy 2014
Macquarie University, Australia

M.S., Plasma Physics (with distinction) 2009
Queen's University Belfast, UK

M.S., Computational Electrical Engineering 2007
University of Rostock, Germany

Grants

NASA NICER GO Program (80NSSC23K1098) 2024

NASA Astrophysics Data Analysis Program (80NSSC22K0626) 2022 – 2024

Awards

Macquarie University Research Excellence Scholarship 2010 – 2014

Department for Employment and Learning Studentship 2008 – 2009

Marie Curie Early Stage Researcher 2008