

DREW LAPEER

(they/them)

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Last Edited: December 31st, 2024

EDUCATION

University of Massachusetts, Amherst, MA

2024-

PhD, MSc, Astronomy

Advisor: Prof. Daniela Calzetti

Research Themes: Star formation, Star clusters, Stellar feedback, Galaxy evolution

Thesis Title: *TBD*

University of Michigan, Ann Arbor, MI

2021-2024

BSc, Astronomy & Astrophysics (Honors), Interdisciplinary Physics

Advisor: Prof. Monica Valluri

Research Themes: Galactic dynamics, Dynamical SMBH detection, SMBH formation & evolution

Thesis Title: *Dynamically Detecting SMBHs in Compact Stellar Systems with JWST NIRSpec IFU*

Washtenaw Community College, Ann Arbor, MI

2022-2023

General Studies

Macomb Community College, Macomb, MI

2019-2021

General Studies

PUBLICATIONS ([full list](#))

h-index:

N Citations:

N 1st Author:

N Co-Author:

GRANTS, FELLOWSHIPS, & AWARDS

2024 Walter W. Wada Award for Community Engagement, Department of Physics, University of Michigan (\$800)

SELECTED TALKS, POSTERS, & PROCEEDINGS

TEACHING EXPERIENCE

2025 RESEARCH EXPERIENCE IN ASTRONOMY FOR TEACHERS - LAB LEAD, *Springfield, MA K-12 Public Schools*

2022-2024 TUTOR - PHYSICS, MATH, COMPUTER SCIENCE, *Washtenaw Community College*

2023-2024 ASTRO 101 - LAB INSTRUCTOR, *University of Michigan*

2023-2024 ASTRO 102 - LAB INSTRUCTOR, *University of Michigan*

2023-2024 ASTRO 201 - LAB INSTRUCTOR, *University of Michigan*

2023-2024 MICHIGAN MATH & SCIENCE SCHOLARS - UNDERGRADUATE INSTRUCTOR, *University of Michigan*

MENTORED STUDENTS

* indicates primary mentor

2024 - JEREMY SUN*, *Undergraduate, University of Massachusetts*

2024 - 2025 EMMA DAVIS, *Undergraduate, Smith College*

2024 CALLUM BLOOM, *Undergraduate, University of Michigan*

2023-2024 JENNIFER DUPUIS, *Undergraduate, University of Michigan, Co-mentored*

2023-2024 ISHIKA GUPTA, *Undergraduate, University of Michigan, Co-mentored*

2023-2024 ILAN SHANON, *Undergraduate, University of Michigan, Co-mentored*

SERVICE & OUTREACH

2024- ASTROBITES, *Member, Writer*

2024 ASTRONOMY GRAD SCHOOL APPLICATION GUIDE, *Primary Author*

2023-2024 ASTRONOMY MONTHLY, *Monthly astronomy outreach program at Washtenaw Community College; Founder*

2023-2024 PUBLIC OBSERVING NIGHTS, *Open to the public observatory experience in Ann Arbor, MI; Telescope Operator*

2023-2024 NOT RICH AT UMICH, *Student organization assisting low-income students at the U. of Michigan; Board Member*

2023-2024 ENTOMOLOGY CLUB, *Entomology club at U. of Michigan; Board Member*

MEMBERSHIPS

2023- AMERICAN ASTRONOMICAL SOCIETY, *Member*

2023- AMERICAN ASTRONOMICAL SOCIETY DIVISION ON DYNAMICAL ASTRONOMY, *Member*

SKILLS

LANGUAGES: Python, C++, HTML, CSS, zsh/bash, Latex

PACKAGES: numpy, astropy, matplotlib, scipy, photutils, agama, astroML

TOOLS: DS9, GALFIT, MAST, JWST Pipeline, FORSTAND

GENERAL: Data Analysis, Data Visualization, Microsoft Office