Curriculum Vitae
Christopher Malhas

Email: christopher.m.malhas-1@ou.edu

Education

The University of Oklahoma — *August 2025- Ongoing*
GPA: 3.5
Advisors: Michael Hayden and Eric Abraham

The University of Texas at Austin — *August 2019-Dec 2022*
B.S. in Astronomy
GPA: 3.3
Advisors: Adam Kraus and John Chisholm

Collin County Community College — *August 2016-May 2019*
Dual credit high school/college student
GPA: 3.4

Princeton High School — *August 2015-May 2019*
GPA: 3.9

Publications and Posters

"Dissecting the subgalactic outflow structure of the sunburst arc"
M. Riley Owens, **Christopher M. Malhas**,, Paul Smith, Jessica G. Burns, John Chisholm, Jane R. Rigby, Matthew B. Bayliss. *In Preperation, 2026*

"New Constraints on the Drivers of Outflows Using Extremely Low-mass Star-forming Galaxies"
Christopher M. Malhas, John Chisholm, Christy Tremonti, Claus Leitherer. *In Preperation, 2026*

"Connecting Lyman-alpha and ionizing photon escape in the Sunburst Arc"
M. Riley Owens, Keunho J. Kim, Matthew B. Bayliss, T.Emil Rivera-Thorsen, Keren Sharon, Jane R. Rigby, Alexander Navarre, Michael Florian, Michael D. Gladders, Jessica G. Burns, Gourav Khullar, John Chisholm, Guillaume Mahler, Hakon Dahle, **Christopher M. Malhas**, Brian Welch, Taylor A. Hutchison, Raven Gassis, Suhyeon Choe and Prasanna Adhikari. *Submitted to ApJ 10/04/2024*

"Connecting Lyman-α and ionizing photon escape at cosmic noon with a strongly lensed galaxy arc"
M. Riley Owens, Keunho J. Kim, Matthew B. Bayliss, T.Emil Rivera-Thorsen, Keren Sharon, Jane R. Rigby, Alexander Navarre, Michael Florian, Michael D. Gladders, Jessica G. Burns, Gourav Khullar, John Chisholm, Guillaume Mahler, Hakon Dahle, **Christopher M. Malhas**, Brian Welch, Taylor A. Hutchison, Raven Gassis, Suhyeon Choe and Prasanna Adhikari. *AAS Conference January 2024*

"Revealing the Galactic Outflow Properties of Extremely Low-Mass Star-Forming Galaxies"
Christopher M. Malhas, John Chisholm, Christy Tremonti, Claus Leitherer. *AAS Conference January 2023*

"New Constraints on the outflow properties of extremely low-mass star-forming galaxies"
Christopher M. Malhas, John Chisholm, Christy Tremonti, Claus Leitherer. *TIDES Undergraduate Research Forum 2022*

"Studying Features of the Hβ line profile Produced by The Z-Machine"
Christopher M. Malhas, Michael Montgomery. *Freshman Research Initiative Poster Fall 2020*

"Using Aperture Photometry of LCOGT Data to Search for Variable Stars"
Christopher M. Malhas, Michael Montgomery. *Freshman Research Initiative Poster Spring 2020*

Honors and Awards

UT Austin Summer Research Funding Fellowship	*2021*
National Speech and Debate Association Academic All-American	*2019*
Texas Interscholastic League Foundation (TILF) Speech and Debate scholarship	*2019*

Leadership and Mentoring

Undergraduate Student Representative — *Fall 2022-Spring 2023*
I was one of two students chosen to represent the 50+ undergraduate astronomy majors at UT Austin for the academic year. Our duties included monthly meetings with the department chair, assisting in the faculty hiring process, and participating in department wide town hall discussions.

Speech and Debate Consultant
Coached high school debaters on communications skills, technique, strategy, and research methods for speech and debate through weekly practices and on-site consulting at tournaments. *June 2020 - December 2021*

Speech and Debate
Competed in Speech and Debate at Princeton High School. Developed a strong communications background and public speaking skills. *2015-2019*

Work Experience

Melissa High School
High School Teacher *August 2024-August 2025*

Paycom
Software Quality Analyst *September 2023-Ongoing*

The University of Texas at Austin
Research Scientist *May 2023 - Ongoing*

DebateTexas.com
Lead Python Developer *November 2022 - September 2023*

The University of Texas at Austin
Summer Undergraduate Researcher *Summer 2021*

National Speech and Debate Association
Speech and Debate Judge *August 2019-May 2023*

Princeton High School
Debate Consultant *June 2020 - December 2021*

Research Coursework

GEO 352P Python for Geoscience Research
Learned advanced coding methods and gained further proficiency with Python *Fall 2022*

PHY 353L: Modern Physics Laboratory
Wrote weekly LaTeX lab reports, conducted in-class experiments, and used Python for Physics simulations and data analysis. *Spring 2022*

AST 210 and AST 375: White Dwarfs Freshman Research Initiative(FRI)
Wrote Python code for photometric and laboratory data reduction, conducted group research project, presented results at end of semester symposium. *Spring 2020 and Fall 2020*

References

Professor John Chisholm
UT Austin
chisholm@austin.utexas.edu

Professor Mike Montgomery
UT Austin
mikemon@astro.as.utexas.edu

Professor Michelle Berg
Texas Christian University (TCU)
m.a.berg@tcu.edu