

Travis Court

University of Pittsburgh

3941 O'Hara St
Pittsburgh, PA 15260
✉ tac136@pitt.edu
📄 cortt.github.io
Updated August 4, 2021

Education

- 2021 – Present **University of Pittsburgh**, *Ph.D. Graduate Student in Physics and Astronomy*, Pittsburgh, PA.
- 2021 **University of Pittsburgh**, *M.S. in Physics*.
- 2018 **Allegheny College**, *B.S. in Physics, Psychology Minor*, Meadville, PA, *Summa Cum Laude*.
Research advisor: Dr. James C. Lombardi, Jr.
Thesis Title: Cassiopeia A: Seeing a Supernova Remnant in a New Light

Research Experience

- Fall 2019 – **Graduate Student**, *University of Pittsburgh*.
Present RESEARCH ADVISOR: Dr. Carles Badenes
X-ray and computational research on Type Ia supernova remnants
- Summer 2018 **Research Assistant**, *Los Alamos National Laboratory*.
RESEARCH ADVISOR: Dr. Chris Fryer
Computational research on binary progenitors to supernovae
- Spring 2015 – **Undergraduate Independent Study and Senior Project**, *Allegheny College*.
Spring 2018 RESEARCH ADVISOR: Dr. James C. Lombardi, Jr.
Computational research on merging binary systems using smoothed particle hydrodynamics
- Summer 2017 **Undergraduate Research Assistant**, *Flatiron Institute, Center for Computational Astrophysics*.
RESEARCH ADVISOR: Dr. Francisco Villaescusa-Navarro
Computational research on cosmology and Large-Scale Structure
- Summer 2016 **NSF REU**, *Rutgers University*.
RESEARCH ADVISOR: Dr. Saurabh Jha
Optical spectroscopy research on Type Ia supernovae

Awards and Honors

- 2021 **Thomas-Lain Scholarship** University of Pittsburgh
- 2019-2020 **Dietrich School of Arts and Sciences Fellowship** University of Pittsburgh
- 2018 **Phi Beta Kappa** Allegheny College
- 2018 **Summa Cum Laude** Allegheny College
- 2017 **Goldwater Scholarship Honorable Mention**
- 2017 **Physics Department Junior Student Award** Allegheny College
- 2014-2018 **Distinguished Alden Scholar** (High Dean's List) Allegheny College
- 2011 **Eagle Scout**

Presentations

- May 2018 **Cook-Lahti Senior Scholars Symposium**, *Invited Poster*, Allegheny College.
"Cassiopeia A: Seeing a Supernova Remnant in a New Light"
- January 2018 **231st Meeting of the American Astronomical Society**, *Poster*, National Harbor, MD.
"Impact of Massive Neutrinos on Dark Matter Halo Environment"

- October 2017 **Gator Day Physics Research Symposium**, *Poster*, Allegheny College.
 "SALT Spectroscopy of ASASSN-15lh: The Most Luminous Supernova?"
- January 2017 **229th Meeting of the American Astronomical Society**, *Poster*, Grapevine, TX.
 "SALT Spectroscopy of ASASSN-15lh: The Most Luminous Supernova?"

Academic Service

- 2021 - Present **Association of Physics and Astronomy Graduate Students**, *Co-President*, University of Pittsburgh.
- Fall 2020 - Spring 2021 **Dietrich School of Arts and Sciences Council**, *Graduate Student Representative*, University of Pittsburgh.
- Fall 2017 - Spring 2018 **Allegheny Student Government Committee of Student Affairs**, *Co-Director*, Allegheny College.
 Directed student life subcommittee of government's general assembly. Representative on Campus Life and Community Standards Faculty Committee
- Spring 2016 - Spring 2018 **Astronomy Club**, *President*, Allegheny College.
- Spring 2017 - Spring 2018 **Society of Physics Students**, *Vice President*, Allegheny College.

Teaching

- Summer 2020, **Teaching Assistant to Stars, Galaxies, and the Cosmos.**
 Summer 2021 Physics and Astronomy Department, University of Pittsburgh
- Fall 2020 **Teaching Assistant to Basic Laboratory Physics for Science and Engineering.**
 Physics and Astronomy Department, University of Pittsburgh
- Spring 2016 – Spring 2017 **Teaching Assistant to Core Concepts in Physics I and II.**
 Physics Department, Allegheny College
- Fall 2017 **Teaching Assistant to Science in Literature Freshman Seminar.**
 Physics Department, Allegheny College
- Spring 2015 **Calculus Tutor.**
 Maytum Learning Commons, Allegheny College
- Fall 2014 – Spring 2015 **Teaching Assistant to GED Class.**
 Crawford County READ Program, Meadville PA