

Benjamin Dodge  
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## EDUCATION

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**Graduate Student in Physics, Stanford University (KIPAC)** 2023 – present  
Advised by Professor Susan Clark

**Bachelor of Arts in Physics, High Honors, Princeton University** 2018 – 2022  
Thesis: *Stellar Disk Tilting in Galaxy Mergers*, advised by Professor Mariangela Lisanti

## PUBLICATIONS

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[2] **Benjamin C. Dodge**, Oren Slone, Mariangela Lisanti, Tim Cohen MNRAS 518 no. 2, 2870  
*Dynamics of Stellar Disc Tilting from Satellite Mergers* arxiv:2207.02861

[1] Dan Friedman, **Ben Dodge**, Danqi Chen EMNLP 2021  
*Single-dataset Experts for Multi-dataset Question Answering* arxiv:2109.13880

## PRESENTATIONS

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MMT Symposium, Tucson, AZ 2026  
*Kinetic Tomography with Sodium Absorption in the Plane*

Center for Decoding the Universe Winter Forum, Stanford, CA 2026  
*GraphGP: Scalable Gaussian Processes with Vecchia's Approximation*

Stanford Data Science Conference, Stanford, CA (poster) 2025  
*Mapping Cold Halo Gas in 3d with the Via Survey*

## SERVICE & OUTREACH

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Member, KIPAC Tea Committee 2026 – present

Host and Dome Operator, KIPAC Public Stargazing Nights 2024 – present

Graduate Mentor, Stanford University Physics Society Mentorship Program 2025 – present

Graduate Student Organizer, Stanford Physics Undergraduate Directed Reading Program 2025

Cosmic Magnetism Booth Volunteer, KIPAC Community Day 2025, 2024

Organizing Committee, Stanford Physics Identity and Equity Virtual Program 2024

Organizing Committee, Stanford Physics Identity and Equity Summer Workshop 2024

Undergraduate Recruitment Working Group, Princeton Physics Equity, Diversity, Inclusion 2020 – 2022

## TEACHING

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**Teaching Assistant, Stanford University**

- *PHY113: Computational Physics* 2026
- *PHY100: Observational Astrophysics* 2025
- *PHY100/300: Observational Astrophysics* 2024

**Undergraduate Teaching Roles, Princeton University** 2020 – 2022

- Study session organizer for *PHY104: Electricity and Magnetism* (Spring 2022)
- Department tutor for *PHY106: Electricity and Magnetism* (Spring 2022)

- Department tutor for *PHY205: Classical Mechanics* (Fall 2021)
- Undergraduate Course Assistant for *ORF309: Probability and Stochastic Systems* (Spring 2021)
- Grader for *COS484: Natural Language Processing* (Spring 2021)
- Grader for *COS324: Introduction to Machine Learning* (Fall 2020)

**Leader Trainer & Instructor, Princeton University Outdoor Action**

2019 – 2022

- Lead week-long backpacking training trips for new orientation leaders
- Teach leadership, technical skills, and CPR certification classes

**English Teaching Assistant, Fulbright Taiwan**

2022 – 2023

- Co-teach 16 periods of English per week at ZhuangWei and GuoLing elementary schools in Yilan County

**AWARDS**

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- NSF Graduate Research Fellowship 2023
  - Fulbright Taiwan English Teaching Assistantship Award 2022 – 2023
  - Allen G. Shenstone Prize in Physics and Departmental Service, Princeton University 2021
  - Manfred Pyka Memorial Prize in Physics, two-time awardee, Princeton University 2019, 2020
  - Speaker at Mary W. George Freshman Research Conference, *Can Computers Learn from Copyrighted Content?* 2019
  - 1st place in Abstraction, Princeton University International Eye Photo Contest 2019