Asher Hancock

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Education

2023–Present **Princeton University**
PhD, Mechanical and Aerospace Engineering
Advisor: Anirudha Majumdar

2022–2023 **University of Cambridge**
MPhil, Engineering
Advisor: Rodolphe Sepulchre

2017–2023 **University of Pittsburgh**
BS, Mechanical Engineering
Advisor: Matthew Barry

Fellowships

2022-2027 **NSF GRFP Fellowship**, *National Science Foundation*, Princeton University

2022-2023 **Churchill Scholarship**, *Winston Churchill Foundation of the United States*, University of Pittsburgh

2022-2023 **Barry M. Goldwater Scholarship**, *Barry Goldwater Scholarship and Excellence in Education Foundation*, University of Pittsburgh

Peer-reviewed Journal and Conference Publications

2024 Justin Lidard, Haimin Hu, **Asher Hancock**, Zixu Zhang, Albert Gimó Contreras, Vikash Modi, Jonathan DeCastro, Deepak Gopinath, Guy Rosman, Naomi Leonard, María Santos, and Jaime Fernández Fisac. "Blending Data-Driven Priors in Dynamic Games" *Robotic Science and Systems (RSS)*, 2024.

2023 Apoorva Sharma, Sushant Veer, **Asher Hancock**, Heng Yang, Marco Pavone, and Anirudha Majumdar. "PAC-Bayes Generalization Certificates for Learned Inductive Conformal Prediction" *Conference on Neural Information Processing Systems (NeurIPS)*, 2023.

2021 **Asher J. Hancock**, Laura B. Fulton, Justin Ying, Corey E. Clifford, Shervin Sammak, and Matthew M. Barry. "A GPU-accelerated ray-tracing method for determining radiation view factors in multi-junction thermoelectric generators" *Energy*, Elsevier, 2021.

Teaching Experience

Spring 2023 3F2: *Systems and Control Theory*, University of Cambridge (Supervisor)

Industrial Experience

2020-2021 Pathways Intern, *NASA's Marshall Space Flight Center*, Student Trainee (Engineering)
- Advanced Concepts Office (Fall 2021)
- Control Systems and Analysis Branch (Spring 2021)
- Structural Dynamics and Integration Branch (Summer 2020)