

Richard Huang

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richardhuangz.github.io

Research

I'm broadly interested in theoretical computer science and combinatorics, particularly in approximation and graph algorithms. I'm also interested in algorithm design in the context of incentives and uncertainty.

Education

- Brown University** 2023 -
PhD in Computer Science
Advised by Ellis Hershkowitz
- Princeton University** 2019 - 2023
AB in Computer Science, Minor in Cognitive Science

Teaching

- At Brown University**
An Algorithmist's Toolkit (CSCI 2952T) 2024
- At Princeton University**
Computational Geometry (COS 451) 2022
Economics of Computation (COS 445) 2022 - 2023
Reasoning about Computation (COS 340) 2021
Computer Science: An Interdisciplinary Approach (COS 126) 2020 - 2023

Papers

- Simple Length-Constrained Minimum Spanning Trees** 2024
With Ellis Hershkowitz
- Prophet Inequality of Partition Matroid Intersection** 2023
Advised by Matt Weinberg
Undergraduate Senior Thesis
- On Multidimensional Stable Matching** 2022
Advised by Mark Braverman
Undergraduate Junior Paper

Employment

- Department of Computer Science at Brown University** 2023 -
Research and Teaching Assistant
- Amazon Web Services** 2023
Software Dev Engineer Intern
- Engineering Library at Princeton University** 2022
 \LaTeX Instructor
- Amazon** 2022
Software Dev Engineer Intern

Office of the Dean of the College at Princeton University

Academic Advising Assistant

2021 - 2022

Department of Computer Science at Princeton University

Course Development Intern

2021

Research Assistant in Computing Education

2020 - 2021

Teaching Assistant Admin

2020 - 2023

Activities

Brown University Orchestra

2023 -

Princeton Pianists Ensemble

2021 - 2023

Princeton University Orchestra

2019 - 2023

Greater Dallas Youth Orchestra

2015 - 2019