Harrison Goldstein
Ph.D. Researcher

I am a Ph.D. candiate studying under Prof. Benjamin C. Pierce. My work combines techniques from programming languages and human-computer interaction to improve software testing.

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Education

Ph.D. in Computer Science
University of Pennsylvania
Ongoing

M.Eng. in Computer Science
Cornell University
2018 — GPA 4.02

B.S. in Computer Science
Cornell University
2014-2018 — GPA 4.08

Teaching

Penn CIS 552
Head TA 2020-2021

Penn CIS 810
Head TA 2021

Cornell CS 3110
Head TA 2017

Cornell Eng. Leadership
Head TA 2017

Cornell CS 2112
TA 2016

Awards and Honors

Certifiate in Engineering Leadership
Cornell ECLP

1st Place, Business Plan Competition
Cornell Sch. of Hotel Admin.

Eagle Scout
Scouts BSA

Selected Publications

Reflecting on Random Generation
ICFP 2023 Research Paper

Etna: An Evaluation Platform for Property-Based Testing
ICFP 2023 Experience Report

Parsing Randomness
OOPSLA 2022 Research Paper

Some Problems with Properties: A Study on Property-Based Testing in Industry
HATRA 2022 Workshop Paper

Do Judge a Test by its Cover: Combining Combinatorial and Property-Based Testing
ESOP 2021 Research Paper

Conferences after COVID: An Early-Career Perspective
PL Perspectives SIGPLAN Blog Post

Service

PC Member
HATRA 2023 Ongoing

Ph.D. Mentor
SIGPLAN-M Ongoing

Research Mentor
REPL REU Ongoing

Research Mentor
DeepSpec REU

Organizer
NJPLS 2023

Editor in Chief
PLClub Blog

Social Chair
POPL 2021

A/V Coordinator
ICFP 2021

Work Experience

Research Intern
Amazon Web Services 2020

Software Engineer *and* Software Engineering Intern
Broadway Technology 2017-2019

Technology Intern
Susquehanna International Group, LLC 2016

Chief Technolgy Officer
Last Second Beach, LLC 2015-2016