Harrison Goldstein

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Publications

Papers

Do Judge a Test by Its Cover: Combining Combinatorial and Property Based Testing — **ESOP '21**

Programming Language Support for Natural Language Interaction — **SysML '18**

Other

Conferences after COVID: An Early-Career Perspective — **SIGPLAN PL Perspectives**

Delimited Continuations and Monads (Short Survey) — **Pending**

Leadership

Editor in Chief — **PLClub Blog**

Social Chair — **POPL '21**

AV Coordinator — **ICFP '20**

Research Interests

Property-Based Testing
QuickCheck, Combinatorial Testing

Functional Programming
Monads, Continuations, Haskell

Type Systems
Refinement Types, Bidirectional Type Checking

My love for learning underpins almost everything that I do—I take every chance I can to learn and grow. I am **driven**, **focused**, and **goal-oriented**, and I bring those values to all of the work that I do.

In my free time I love to cook, stream TV and movies, and spend time with friends.

Please reach out via email or Twitter for references or other information.

Education

University of Pennsylvania — **Present**
Pursuing PhD in Computer Science

Cornell University — **Fall '14 - Spring '19**
BS in Computer Science — GPA 4.08
MEng in Computer Science — GPA 4.02

Work Experience

Amazon Web Services — **Summer '20**
Research Intern

Expanded and formalized a model of AWS access policies that captured the full complexity of the authorization system.

Explored an embedding of the model into SMT, to be used in the Zelkova tool.

Broadway Technolgy — **Summer '17 - Summer '18**
Software Engineer

Collaborated with individuals throughout the organization on tools that streamlined and improved Broadway's operations.

Led a number of projects, working as an internal consultant, a project manager, and a developer.

SIG, LLP — **Summer '16**
Technology Intern

Last Second Beach, LLC — **Fall '15 - Spring '16**
Cheif Technology Officer

Honors and Awards

Certification in Engineering Leadership — **Cornell ELCP**

1st Place Business Plan Competition — **Cornell SHA**

Eagle Scout — **Boy Scouts of America**