Cassia Torczon

Philadelphia, PA

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WORK

- **Computer Science Ph.D. Student**
  University of Pennsylvania - Philadelphia, PA
  I research programming languages, with a particular focus on usability of theorem provers

PUBLICATIONS

- **QED in Context: An Observation Study of Proof Assistant Users**
  J. Shi, **C. Torczon**, H. Goldstein, B. C. Pierce, A. Head.
  OOPSLA 2025

- **Designing Proof Deautomation for Rocq**
  J. Shi, **C. Torczon**, H. Goldstein, A. Head, B. C. Pierce.
  PLATEAU 2025

- **Effects & Coeffects in Call-by-Push-Value**
  C. Torczon, E. Suárez Acevedo, S. Agrawal, J. Velez-Ginorio, and S. Weirich.
  OOPSLA 2024

TALKS

- **Call-by-Push-Value with Coeffects**
  Jane Street Programming Language Colloquium
  December 2023

TEACHING

- **Instructor**
  Introduction to Haskell (CIS 1904)
  University of Pennsylvania
  Spring 2025

- **Instructor**
  REU Intro PL Seminar
  University of Pennsylvania
  Summer 2024

- **Teaching Assistant**
  Advanced Programming (CIS 5520)
  University of Pennsylvania
  Fall 2023

- **Co-Instructor**
  REU Intro PL Seminar
  University of Pennsylvania
  Summer 2023

PRIOR EDUCATION

- **B.A. Computer Science & Mathematics**
  Rice University
  GPA: 3.97 (Magna Cum Laude)

INDUSTRY EXPERIENCE

- **Software Engineer**
  Microsoft - Bellevue, WA
  I built data management tools for use in natural language search query understanding, with a focus on privacy compliance

AWARDS & RECOGNITION

- Phi Beta Kappa Member

- National Merit Finalist

SELECTED COURSEWORK

- **Computer Science**
  Software Foundations, Advanced Programming, Advanced Topics in Programming Languages, Computer-Aided Verification

- **Mathematics***
  Honors Linear Algebra, Combinatorics And Graph Theory, Number Theory, Abstract Algebra I - III
  *at Rice University

SKILLS

- **Programming Languages**
  CN, Coq, Haskell, OCaml, Dafny, C#, Java, C, Python

- **Natural Languages**
  Spanish, French, American Sign Language

INTERESTS

| Programming Languages | Formal Verification | Formal Logic | Proof Assistants |