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 proof assistants
  August 2022-present

PUBLICATIONS

- **Effects & Coeffects in Call-by-Push-Value**
  OOPSLA 2024

TALKS

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

TEACHING

- **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

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
  August 2020 - July 2022

PRIOR EDUCATION

- **B.A. Computer Science & Mathematics**
  Rice University
  GPA: 3.97
  2020 (Magna Cum Laude)

AWARDS & RECOGNITION

- **Phi Beta Kappa Member**
  Inducted 2020

- **National Merit Finalist**
  Awarded 2016

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, Abstract Algebra II, Abstract Algebra III
  *at Rice University

SKILLS

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

- **Natural Languages**
  Spanish (proficient), French (intermediate), American Sign Language (beginner)

INTERESTS

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