

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 call-by-push-value

August 2022-present

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

- **Software Engineering Intern**

Microsoft - Bellevue, WA

I created a system that allowed developers on the team to search currently implemented work, avoiding duplicated functionality

Summer 2019

SKILLS

- **Programming Languages**

Coq, Dafny, Haskell, C#, Java, C, Python

- **Natural Languages**

Spanish (proficient), French (intermediate), American Sign Language (intermediate)

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*

INTERESTS

Programming
Languages

Formal
Verification

Compilers