

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, 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
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