

# Cassia Torczon

Philadelphia, PA

ctorczon@seas.upenn.edu

## WORK

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- **Computer Science Ph.D. Student**  
University of Pennsylvania - Philadelphia, PA  
I research programming languages, with a particular focus on proof assistants  
*August 2022-present*

## INDUSTRY EXPERIENCE

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- **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

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- **Programming Languages**  
CN, Coq, Haskell, OCaml, Dafny, C#, Java, C, Python
- **Natural Languages**  
Spanish (proficient), French (intermediate), American Sign Language (beginner)

## PRIOR EDUCATION

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

## AWARDS & RECOGNITION

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- **Phi Beta Kappa Member**  
*Inducted 2020*
- **National Merit Finalist**  
*Awarded 2016*

## SELECTED COURSEWORK

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- **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

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Programming Languages	Formal Verification	Formal Logic	Proof Assistants
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