

# Justin Zhang

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## EDUCATION

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### Purdue University

*PhD in Computer Science*  
GPA: 4.0

West Lafayette, IN

*Aug 2024 – May 2028*

### Carnegie Mellon University

*MS in Computer Science (Thesis)*  
GPA: 4.0 Thesis: Secure Convertible Codes

Pittsburgh, PA

*May 2023 – May 2024*

### Carnegie Mellon University

*BS in Computer Science, Concentration in Algorithms, Minor in Math*  
GPA: 3.78, University Honors

Pittsburgh, PA

*Aug 2019 – May 2023*

## PUBLICATIONS

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### Amortized Local Decodable Codes

Jeremiah Blocki, **Justin Zhang**  
*In review 2025*

### Secure Convertible Codes for Eavesdropper Attacks

**Justin Zhang**, Rashmi Vinayak  
*In review 2025*

## TEACHING

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### CS251 Data Structures and Algorithms (TA)

Fall '24, Spring '25

### 15151 Mathematical Foundations for Computer Science (Tutor)

Spring '24

### 21373 Algebraic Structures (TA)

Fall '23

### 21301 Combinatorics (TA)

Spring '23

### 15150 Functional Programming (TA)

Spring '21, Summer '21, Fall '21, Spring '22, Spring '23

## WORK

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### Amazon, Software Development Intern

May 2024 – August 2024

Deployed an API migration of an integral component of the cross-borders Amazon fulfillment process.

### Goldman Sachs, Software Engineering Intern

June 2022 – August 2022

Modernized and reduced latency within the trader permissions streaming pipeline.

### GPN Lab @ UPMC, Python Programmer

July. 2021 – June 2022

Developed a sophisticated pacman-like game application with Pygame and PyInstaller.

## AWARDS

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### Herbold Scholarship (2024-25)

One year scholarship given by the Herbold Foundation for doctoral studies support. 1 of 12 nominated from Purdue.

### Presidential Doctoral Excellence Award (2024-28)

Four years of support for outstanding scholarly potential. 150 of 5500 incoming PhD students nominated.

### Tepper Scholarship (2022-23)

Selected as a recipient for high achieving academic performance. Semesters received: S22,F22,S23

### UEAA Scholarship (2021-22)

Scholarship for academic and personal achievement while dedicating time and effort to serve the Chinatown community.

## VOLUNTEERING

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### UEAA Fun Fun Saturday

May 2016 – August 2022

*Volunteer Assistant Director of Classes, Volunteer Instructor*

## PROFESSIONAL SERVICE

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Subreviewer for IEEE Security & Privacy (2025)

Sloan Center for Systemic Change Graduate Student Ambassador(2025-26)