

# Justin Zhang

[justin-zhang.com](http://justin-zhang.com) | [zhan3554@purdue.edu](mailto:zhan3554@purdue.edu)

## 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 for Insertions and Deletions

Jeremiah Blocki, **Justin Zhang**

*ITC '25 [preprint]*

Amortized Local Decodable Codes

Jeremiah Blocki, **Justin Zhang**

*ISIT '25 [preprint]*

Secure Convertible Codes for Eavesdropper Attacks

**Justin Zhang**, K.V. Rashmi

*ISIT '25*

## 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)