Justin Zhang

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EDUCATION

Purdue University   West Lafayette, IN
PhD in Computer Science   *Aug 2024 – May 2028*
GPA: 4.0

Carnegie Mellon University   Pittsburgh, PA
MS in Computer Science (Thesis)   *May 2023 – May 2024*
GPA: 4.0 <u>Thesis</u>: Secure Convertible Codes

Carnegie Mellon University   Pittsburgh, PA
BS in Computer Science, Concentration in Algorithms, Minor in Math   *Aug 2019 – May 2023*
GPA: 3.78, University Honors

PUBLICATIONS

[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

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

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

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 Scolarship (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

UEAA Fun Fun Saturday   May 2016 – August 2022
Volunteer Assistant Director of Classes, Volunteer Instructor

PROFESSIONAL SERVICE

Subreviewer for IEEE Security & Privacy (2025)

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