

Adela Deng

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EDUCATION	University of Wisconsin–Madison Ph.D. in Computer Science	2026–Present
	University of Chicago B.S. in Mathematics with Honors, B.S. in Computer Science	2017–2021
ACADEMIC EXPERIENCE	Spring/Summer Schools	
	French Spring School in Theoretical Computer Science	2026
	Quantum Informatics CDT Spring School	2026
	Oregon Programming Languages Summer School	2024, 2025
	14th Summer School on Formal Techniques	2025
	Stanford University Non-degree Graduate Student	2022–2024
INDUSTRY EXPERIENCE	Software Engineer , Google	2021–2025
	Google Distributed Cloud	
	- Designed an edge storage partitioning system and began formally verifying that it tolerates power outages, OS upgrades, and physical interference - Built an asynchronous machine health assessment system and proved on paper that it derives a coherent, continuous health metric from irregular checks	
	Software Engineer Intern , Google	2020
	Cloud Networking Istio	
	Prototyped a WebAssembly firewall for Envoy proxies on Istio service mesh	
TEACHING	Math Developer Intern , Wolfram Alpha	2020
	Math Development Team	
	Synthesized human-readable proofs for Boolean algebra	
	Teaching Assistant , University of Wisconsin–Madison	Fall 2026
	COMP SCI 506 Software Engineering	
	Teaching Assistant , University of Chicago	Fall 2019
AWARDS & FELLOWSHIPS	CMSC 15100 Introduction to Computer Science	
	Grader , University of Chicago	Winter 2019
	CMSC 15100 Introduction to Computer Science	
	Tutor , University of Chicago	Fall 2018
	Computer Science Core Curriculum	
	Harper Award at University of Chicago	2021
	1 st Place in PayPal Hack – Chicago	2019
	1 st Place in Illinois Tech Association Challenge	2019
	University of Chicago Grace Hopper Travel Grant	2018

VOLUNTEER	Volunteer , POPL, Rennes, France Assisted speakers with audio and video streaming support	Jan 2026
	Volunteer , ICFP/SPLASH, Singapore Assisted speakers with audio and video streaming support	Oct 2025
	Volunteer , Building Roots, Toronto, Canada Supported Give-What-You-Can fresh food market	May 2025–Nov 2025
	Instructor , Code Next Oakland by Google Led 3D modeling workshops for underrepresented students in tech	Spring 2022
	Interviewer , Generation Google Scholarship Reviewed applications for women in computer science	Spring 2022
	Project Lead , She Votes Illinois Led team of 5 to design and implement a new website	Fall 2019–Winter 2020
	Chair of Outreach , TechTeam at University of Chicago Recruited students to provide tech support for local NGOs	Fall 2019–Spring 2021