

Alan Yao

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EDUCATION

Aug 2020 – Dec 2022	B.S. in Statistics and Computer Science	UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN
	GPA: 4.0/4.0. Graduating in two and a half years based on advisor's academic plan. Relevant Coursework: Data Science Discovery, Differential Equations, Discrete Structures, Software Design Studio, Statistics and Probability I	
Aug 2016 – June 2020	Diploma	MISSION SAN JOSE HIGH SCHOOL
	National Merit Finalist, National AP Scholar SAT: 1580, SAT Math 2: 800, SAT Chemistry: 800 APs: Calculus BC, Chemistry, Computer Science A, Macroeconomics, Microeconomics, Statistics (all 5)	

EXPERIENCE

June 2018 – Aug 2018	Failure Analysis Intern	CEPTON, INC.
	<ul style="list-style-type: none">• Created an online database for inputting and storing failure analysis data from LiDAR products.• Optimized efficiency for data collection and analysis.• Presented data analysis findings to managers who accepted my proposals.	
Jan 2021 – May 2021	Course Assistant	CS 125 - INTRO TO COMPUTER SCIENCE
	<ul style="list-style-type: none">• Creating interactive walkthroughs and videos for lesson content.• Helping students on homework problems during office hours.	
May 2020 – Aug 2020	Amazon Fulfillment Center Associate	SUNNYVALE, CA
	<ul style="list-style-type: none">• Scanned, picked, and batched items for delivery.	

SKILLS

Programming: Python, Java, Rust, C/C++, C#, Swift/SwiftUI, SQL, Bash.
Web/Media: HTML, CSS, Django, JavaScript, Photoshop, Illustrator.
Analytics: Python, SQL, JMP, R.

PUBLICATIONS

1. Comparing Neural and Regression Models to Predict NBA Team Records. In *Fuzzy Systems and Data Mining V: Proceedings of FSDM 2019*.
 - Accepted to IEEE International Conference on Communications and Electronics 2020.
 - Presented findings at ASA's 2019 Joint Statistical Meetings.
2. Applying Statistical Modeling to Predict Basketball Winning Percentages. In *Fuzzy Systems and Data Mining IV: Proceedings of FSDM 2018*.
 - First place poster presentation at IEOM Washington D.C. 2018.

ORGANIZATIONS

Aug 2020 – Present	Member of the Association for Computing Machinery
Aug 2020 – Present	Member of GameBuilders
Jan 2019 – April 2020	Member of the American Statistical Association