

Alan Yao

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EDUCATION

Aug 2020 – Dec 2022	B.S. in Statistics and Computer Science 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	UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN
Aug 2016 – June 2020	Diploma 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)	MISSION SAN JOSE HIGH SCHOOL

EXPERIENCE

Jan 2021 – May 2021	Course Assistant <ul style="list-style-type: none">• Creating interactive walkthroughs and videos for lesson content.• Helping students on homework problems during office hours.	CS 125 - INTRO TO COMPUTER SCIENCE
May 2020 – Aug 2020	Amazon Fulfillment Center Associate <ul style="list-style-type: none">• Scanned, picked, and batched items for delivery.	SUNNYVALE, CA
June 2018 – Aug 2018	Failure Analysis Intern <ul style="list-style-type: none">• Created an online database for inputting and storing failure analysis data.• Optimized efficiency for data collection and analysis by 400%.• Presented data analysis findings to managers who accepted my proposals.	CEPTON, INC.

SKILLS

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

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