

# Alan Yao

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📞 +1 720 710 7120    in [alan-yao-](#)    📁 [portfolio](#)

## EDUCATION

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Aug 2020 – Dec 2022	B.S. in Statistics and Computer Science GPA: 4.0/4.0, Dean's List. Relevant Coursework: Data Science Discovery, Discrete Structures, Fundamental Mathematics, 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

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Jan 2021 – May 2021	Course Assistant <ul style="list-style-type: none"><li>• Creating interactive walkthroughs and videos for students to follow and learn from.</li><li>• Helping students become better at problem-solving and computer science during office hours.</li></ul>	CS 125 - INTRO TO COMPUTER SCIENCE
May 2020 – Aug 2020	Amazon Fulfillment Center Associate <ul style="list-style-type: none"><li>• Scanned, picked, and batched items for delivery.</li></ul>	SUNNYVALE, CA
June 2018 – Aug 2018	Failure Analysis Intern <ul style="list-style-type: none"><li>• Created an online database for inputting and storing data from LiDAR products - tremendously optimized efficiency for data collection and analysis.</li><li>• Analyzed failure data and identified key metrics for improvement.</li></ul>	CEPTON, INC.

## SKILLS

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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

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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

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