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, Dean's List.
Relevant Coursework: Data Science Discovery, Discrete Structures, Fundamental Mathematics, 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

May 2021 – August 2021	**Software Engineer Intern**	INTUIT

- Full stack developer on the Architecture and Platform team.

Jan 2021 – May 2021	**Course Assistant**	CS 125 - INTRO TO COMPUTER SCIENCE

- Creating interactive walkthroughs and videos for students to follow and learn from.
- Helping students become better at problem-solving and computer science during office hours.

May 2020 – Aug 2020	**Amazon Fulfillment Center Associate**	SUNNYVALE, CA

- Scanned, picked, and batched items for delivery.

June 2018 – Aug 2018	**Failure Analysis Intern**	CEPTON, INC.

- Created an online database for inputting and storing data from LiDAR products - tremendously optimized efficiency for data collection and analysis.
- Analyzed failure data and identified key metrics for improvement.

SKILLS

Programming: Python, Java, Rust, C/C++, C#, Swift/SwiftUI, Unity, 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	Association for Computing Machinery, Member
Aug 2020 – Present	GameBuilders, Member
Jan 2019 – April 2020	American Statistical Association, Member