

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; 5

EXPERIENCE

- Jan 2021 – May 2021 **Project Manager** CS 196 - INTRO TO COMPUTER SCIENCE HONORS
- Managing a group of six students to complete a semester-long project in computer science.
 - Facilitating weekly meetings on their progress using agile framework and proper version control usage.
- Jan 2021 – May 2021 **Course Assistant** CS 125 - INTRO TO COMPUTER SCIENCE
- 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
- Scanned, picked, and batched items for delivery.
- June 2018 – Aug 2018 **Failure Analysis Intern** CEPTON, INC.
- 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.

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 Joint Statistical Meeting 2019 to one hundred people.
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**