

# Alan Yao

🏠 [github.com/alaney2](https://github.com/alaney2)    ✉ [alaney2@illinois.edu](mailto:alaney2@illinois.edu)  
📞 +1 720 710 7120    in [alan-yao-](#)    📁 [portfolio](#)

## 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

---

- 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 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