

ETHAN ZHENG YU

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<https://github.com/ethany04>

EDUCATION

The University of Texas at Austin – Austin, Texas

B.S. Computer Science (GPA: 3.92)

Expected Graduation May 2026

- Minor: Entrepreneurship, Kinesiology
- Relevant Coursework: CS 312: Introduction to Programming, M 408D: Sequences, Series, and Multivariable Calculus, ECO 304K: Introduction to Microeconomics, CS 311: Discrete Math for Computer Science, CS 314: Data Structures, M 340L: Matrices/Matrix Calculations
- Future Coursework: CS 429: Computer Organization and Architecture, SDS 321: Introduction to Probability and Statistics

EXPERIENCE

High School Apprenticeship at UTSA, AEOP

Jun 2020 – Aug 2020, Jun 2021 – Aug 2021

High School Intern

- Learned about nanoparticles and optics, and software for image and data analysis
- Worked with a graduate student to develop a MATLAB program to automate and simplify the physical analysis of nanoparticles
- Invited back by university lab to develop a MATLAB program to streamline the process of nanoparticle spectroscopy visualization

PCsForSchools - 501©(3) certified

Jul 2020 – Aug 2022

Co-founder

- Built and delivered PCs to 18 elementary schools, seeking to expand awareness in STEM fields
- Lead design of a website to showcase progress

PROJECTS

Hang or Sustain?

Mar 2023

Hack The Future

- iOS game to play hangman and teach users about sustainability (front-end only)

Bazaart

Jan 2023 – Present

Texas Convergent

- iOS app to connect smaller artists with a customer base, providing them with pre-made and custom works
- Helping to develop both front and back ends

COMMUNITY SERVICE

Students Expanding Austin Literacy

Jan 2023 – Present

- Worked with underserved elementary students to develop literacy skills and a love for reading

SKILLS

- Technical Skills: Java, Python, React Native, JavaScript (Proficient), MATLAB (Basic), MySQL (Basic), Git (Basic), HTML (Basic), Excel, Word, PowerPoint
- Languages: English (Native), Mandarin (Native), Spanish (Basic)