# Yifeng (Ethan) He

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## 🎓 Education

**University of California, Davis**, Davis, CA — 2019 – Present

*B.S.* in Applied Mathematics
*B.S.* in Computer Science
Anticipated Graduation Date: 06/2023
GPA: 3.927/4.000

## 👥 Experience

**permualgebra** — Dec. 2020 – Prescent

*Author, Maintainer*   Individual Project

Brief introduction: Python package that allows calculation of algebratic permutations.

**Load On Dice Game** — Nov. 2020 – Dec. 2020

*Main Contributor*   Group Project

Brief introduction: MATLAB game project with MATLAB appdesigner.

**HackerHub** UC Davis Club — Jul. 2020 – Present

*Technical Officer*

Brief introduction: Technical officer at HackerHub organizes and leads the bi-weekly Code Jam. The bi-weekly Code Jam is based on any interesting CS topic (Machine Learning, Assembly, APIs , . . .).

**Fishbone++**

*Author*   Individual Project

Brief introduction: a delightful oh-my-zsh theme, written in shell script.

**Python Programming for Children** — May. 2019 – Jul. 2020

*Second Author*   Collaborated with friends in other colleges

Brief introduction: a book (in Chinese) teach basic Python scripts to K-8 and middle school level students. (In printing/publishing progress).

## ⚙ Skills

- Programming Languages: C $\approx$ C++ $\approx$ Python $\geq$ Haskell $\approx$ LaTeX $\approx$ Java
- Platform: GNU/Linux (Manjaro)

## ♡ Honors and Awards

Dean's Honor List — Fall 2019, Spring 2020

## 📕 Course Taken (Taking)

- Math: MAT 108 (Introduction to Abstract Mathematics), MAT 119A (Ordinary Differential Equations, in progress), MAT 127A,B (Real Analysis), MAT 135A (Probability Theory), MAT 150A (Modern Algebra)
- Computer Science: ECS 120 (Theory Computation, scheduled) ECS 122A,B (Algorithm Design and Analysis, in progress), ECS 154A (Computer Architecture), ECS 170 (Introduction to Artificial Intelligence, in progress) ECS 171 (Machine Learning, scheduled)
- Statistics: STA 103 (Applied Statistics)
- Music: MUS 117 (Broadway Musical)