

# 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 – Present

*Author, Maintainer* Individual Project

Brief introduction: Python package that allows calculation of algebraic 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 == C++ ≈ Python >  $\LaTeX$  ≈ Bash Script > MATLAB ≈ PostgreSQL > 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, concurrent), MAT 127A (Real Analysis), MAT 127B (Real Analysis, concurrent), MAT 135A (Probability Theory), MAT 150A (Modern Algebra)
- Computer Science: ECS 122A (Algorithm Design and Analysis, concurrent), ECS 154A (Computer Architecture), ECS 170 (Introduction to Artificial Intelligence, concurrent)
- Statistics: STA 103 (Applied Statistics)
- Music: MUS 117 (Broadway Musical)