

# Zhiwei Zhang

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Github: <http://github.com/Zhiwei-Z>

## EDUCATION

**Freshman (Academically JUNIOR) at UC Berkeley (2018 - 2021) GPA: 4.0**

- Classes taken / taking: Efficient Algorithms, Graduate Algorithms, Intro to AI, Machine Structures, Probability and Random Process, Intro to Machine Learning
- Student Club: ICRA RobotMaster, UGTCS (Undergrad Theoretical CS Reading Group)

## HONORS AND AWARDS

- USA Computing Olympiad Gold
- Silver Medalist in USA Physics Olympiad (Around top 100).
- Various Awards in math competitions (AMC, AIME, SMT, etc)

## ACADEMIC EXPERIENCE AND PERSONAL PROJECTS

### Google Foobar Challenge, 2017

- Pass all levels
- Involve combinatorial concepts

### Theoretical CS Notes, ongoing

- Take notes of a variety of Theoretical CS concepts
- Matroid, Parity Learning, Compressed Sensing, etc.
- Available Github

### UGTCS Club

- Studying a few selected TCS concepts
- Each Present 2 topics
- Presented Spectral Graph Theory & Electric Flow in Graph Theory

### Google Foobar Challenge, 2019

- Ongoing project

### Battery-Recycle iOS App, 2017

- Use AWS to store customers' requests to pick up batteries
- Volunteers can respond to nearby requests and earn service hours
- Swift for UI, Java for

### ICRA RobotMaster 2019

- Design path planning programs for robots in the competition
- Use finite state machines as a decision model for the robot

## TECHNICAL SKILLS

Fluent in Java, Python, Latex, Capable of using C, Html, RISC-V