

# Anthony Ding

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## Education

### University of California, Berkeley

Berkeley, CA

ELECTRICAL ENGINEERING AND COMPUTER SCIENCES (3.925/4)

Aug. 2018 - May 2022

- **Coursework:** Structure and Interpretation of Computer Programs, Data Structures, Machine Structures, Discrete Mathematics and Probability Theory, Efficient Algorithms and Intractable Problems, Introduction to Artificial Intelligence, Teaching Computer Science, Designing Information Devices and Systems I/II
- **Activities:** Eta Kappa Nu (HKN, EECS Honor Society), Pioneers in Engineering

## Experience

### Assistant Officer and Developer

Berkeley, CA

ETA KAPPA NU, COMPUTING SERVICES

May 2019 - Present

- Developed and maintained new HKN website using Django
- Wrote and fixed internal script libraries for handling G Suite admin logistics and the member database
- Advanced new initiatives and recruited candidates for Computing Services committee

### Academic Intern

Berkeley, CA

UC BERKELEY EECS DEPARTMENT

Jan. 2019 - May 2019

- Lab assistant and office hours tutor for CS61A "Structure and Interpretation of Computer Programs"
- Taught small group lab sections to instill foundational CS concepts (recursion, OOP, etc.)
- Debugged and analyzed student homework and project code at office hours

### Co-founder and Tutor

Pleasanton, CA

YOUTH EUCLID ASSOCIATION

Apr. 2017 - Apr. 2018

- Founded nonprofit to support advanced math students in the East SF Bay Area
- Tutored and prepared students for schoolwork, math Olympiads, and competitions
- Hosted seminars, presentations, and events featuring leading math professors

### Summer Research Intern

Los Angeles, CA

UCLA SAMUELI SCHOOL OF ENGINEERING

Jun. 2017 - Aug. 2017

- Attended 8-week research program for motivated high school students
- Reduced material costs and improved mechanical actuation capabilities of printable robots
- Developed Arduino programs to integrate remote control with super-coiled polymer actuator system

## Skills and Honors

- **Languages:** Python, Java, C/C++, Lisp (Scheme), HTML, CSS, JavaScript, LaTeX
- **Technologies:** Django, TensorFlow, PyTorch, React, Git, Arduino
- **Honors:** USAMO Qualifier, 4th Place - National Physics Bowl

## Projects

### Surfer

SENTIMENT ANALYSIS FOR STOCK MARKET

- Trained a Naive Bayes Classifier to predict Dow and market reactions in response to breaking news on Reddit
- Currently building more accurate deep learning classifier with TensorFlow

### Snapshot

PHOTOGRAPHY WEBSITE TEMPLATE

- Designed and developed minimalist website template for photographers, bloggers, and students
- Worked with responsive CSS and web development tools to ensure consistent aesthetics across different devices

### Torches

TWO PLAYER GAME WORLD

- Implemented software engineering principles to build randomized graphical world system for UC Berkeley Data Structures Course
- Pair programmed two-player game in the world and hosted dorm tournament