

# ANTHONY JIANG

Yale '23 CS/Math

@anthony.jiang@yale.edu   469 367 9639   in [linkedin.com/in/anthony-jiang-b6027a162/](https://www.linkedin.com/in/anthony-jiang-b6027a162/)   on [github.com/auchtopus](https://github.com/auchtopus)

## EDUCATION

### Yale College '23

📍 New Haven, CT

- Coursework: MATH 230 Vector Analysis and Linear Algebra, Data Structures (Spring), Discrete Mathematics (Spring)

### Plano West Senior High School '19

📍 Plano, TX

- Rank 3/1436, 4.73 / 4 GPA
- Activities: Speech and Debate Captain, Scientific Research, Computer Science Club, Junior World Affairs Council President

## WORK EXPERIENCE

### AwesomeMath Summer Program

*Teaching Assistant*

📅 Jun. 2019 - Aug. 2019   📍 Ithaca, NY and Tacoma, WA

- Managed four classes of 40 Olympiad combinatorics and algebra students
- Led problem sessions, directed office hours, and answered questions students had on problem sets
- Graded papers submitted by 150 students and provided extensive feedback on their work

### Mark Phariss for Texas Senate

*Data Analyst Intern*

📅 Jun. 2018 - Sep. 2019   📍 Plano, TX

- Used python, pandas, and beautiful soup to scrape public domain information for mailing lists
- Used python and public domain databases to deduce over 50,000 voter ethnicities
- Developed custom Google Map to coordinate and track over 300 campaign sign placements
- Used Excel to analyze voter donation, poll results, and opposition financial data for public release

### Be The Light Youth 501(c)3

*Co-founder, Director of Technology*

📅 Jan. 2018 - Jun. 2019   📍 Plano, TX

- Helped found non-profit to teach public speaking and debate skills to middle school students, forwarding the profits to charity
- Grew program from 5 founding members to 20 members
- Taught over 120 students across weekend and summer workshops, raising over 20k for charity
- Developed and maintained website, technology solutions

## SKILLS

- Technical Skills:
  - Languages: Python (Pandas and Beautiful Soup), Java, R
  - Tools: Excel, Windows, git,  $\LaTeX$
- Languages: English (Native), Mandarin (Conversational)
- Hobbies: Woodworking, Art History, Longboarding

## ACTIVITIES

### Upfund Investments Club

*Industrials Team Analyst*

- Analyzing small-cap industrial stocks for \$ 50k portfolio, generating returns then reinvested into charity

### Yale Undergrad Aerospace Assc.

*Cubesat Software Team*

- Developing Cubesat attitude control and cosmic ray detector software in C and Python

### Design for America

*New Haven Reads Partner*

- Developing solutions to expand access to New Haven Read's community book bank and free tutoring services

## PROJECTS

### Lawn irrigation controller simulator

*Personal Project*

📅 Summer 2018, Summer 2019

- Python module using NOAA weather data to estimate water savings from implementing weather-based irrigation controllers nationwide over a year

### Teacher email web scraper

*Mark Phariss for TX Senate*

📅 Summer 2018

- Python module that scrapes all publicly available educator emails of school districts in SD8, added over 5,000 educator emails to mailing lists

## AWARDS AND HONORS

- 2018, 2019 USA Computing Olympiad Gold Medalist
- 2019 National Merit Finalist
- 2019 \$20,000 O'Donnell Foundation Art History Scholarship Winner
- 2018, 2019 NSDA National Debate Tournament Qualifier
- 2017 Intel International Science and Engineering Fair 3rd Place in Energy: Physical
- 2016 USA Junior Math Olympiad Qualifier