

# Aaron Quan

Los Angeles, CA

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## Education

### Cornell University

August 2023 – December 2026

*Biological Engineering Major, Data Science Minor — GPA: 3.919/4.0*

*Ithaca, NY*

### Relevant Coursework

- Biological Robotics
- Heat and Mass Transfer
- Biofluid Dynamics
- Sustainable Thermodynamics
- Biochemistry
- Organic Chemistry
- Object-Oriented Programming
- Statics and Mechanics of Solids
- Probability and Statistics

## Experience

### Medical Research Intern

August 2025 – Present

*Berkeley Pharma Tech*

*Berkeley, CA*

- Investigating the use of neural implants for depression treatment

### Undergraduate Research Assistant

August 2024 – Present

*Boyce Thompson Institute – Cornell University*

*Ithaca, NY*

- Worked with ImageJ and SmartRoot to analyze root growth in Columbian tobacco plants
- Utilized virus induced gene silencing (VIGS) to isolate stress-tolerant genes in Cowpea plants
- Analyzed stress-induced changes in the root architecture of tomato, cowpea, and tepary bean plants

### Research and Development Intern

May 2025 – August 2025

*The Proctor and Gamble Company*

*Mason, OH*

- Analyzed image data from two-decade long study using advanced skin algorithms
- Gathered insights from quantified data using verbatims, JMP, and python
- Designed research proposals based on insights gained from data analysis

### Research Intern

May 2024 – August 2024

*California Institute of Technology*

*Pasadena, CA*

- Experimented with epigenetics and genetic engineering under the Goentoro lab group
- Investigated genes involved in the metabolic pathway of fruit flies
- Collaborated with PhD mentors to develop theories on the role of genetics in induced tissue growth
- Regenerated statistically significant amounts of tissue in amputated tibia-tarsus joint

### Assistant Manager

June 2023 – December 2023

*Yum Salut*

*Los Angeles, CA*

- Managed inventory of restaurant and compiled shopping lists for kitchen
- Handled customer service, customer satisfaction, and collecting social data
- Communicated information between the front and back of the house

### Non-profit Organization Co-President

October 2020 – July 2023

*StemspirationLA*

*Los Angeles, CA*

- Organized free STEM boot camps for local kids post Covid-19 pandemic
- Created a curriculum of experiments adopted by the local school district
- Coordinated with local newspapers and sponsoring organizations
- Managed social media and advertisement

## Skills

**Programming Languages:** Java, Python, R

**Data Analysis Software:** Excel, JMP, ImageJ

**Laboratory:** Microscope work, Pipetting, Centrifugation, Autoclaving, Enzyme assays, Livestock care, Scientific literature review, Technical writing