

---

## EDUCATION

### Yale University (August 2023 - May 2027)

B.S. Candidate in Mathematics

- GPA: 3.90
- Relevant Coursework: Mathematics - Abstract Algebra, Differential Equations, Real Analysis, Discrete Mathematics, Linear Algebra; Statistics/CS - Probability Theory, Theory of Statistics, Intro to CS
- Activities: Yale LGBTQ Center - peer liaison, Yale AI Policy Initiative - events head, Yale MathCounts Outreach - coach/volunteer

---

## EXPERIENCE

### Undergraduate Researcher, HKUST Department of Mathematics

May 2025 - August 2025

- Conducting research under the supervision of Professor Yang Xiang on deep learning-based numerical algorithms for solving partial differential equations

### Intern, Fifth Avenue Committee

June 2024 - August 2024

- Completed several affordable housing lotteries: finding applicants, verifying income and assets, and working with property managers to schedule tours and sign leases
- Audited past housing contracts for compliance with NYC Housing Preservation & Development (HPD) regulations

### Research Assistant, Hoffman Laboratory (Yale Medical Center)

September 2023 - May 2024

- Assisted in lab maintenance, including animal care, experiment setups, and research presentations
- Contributed to the SSPsyGene project: analyzed hundreds of zebrafish behavior samples in pursuit of characterizing ~200 genes associated with neurodevelopmental/neuropsychiatric disorders

### Brand Ambassador, American Eagle Outfitters

May 2023 - August 2023

- Managed all retail duties, including cashier work, restocking, customer communication, and closing

### Research Intern, Stewart Laboratory (Mount Sinai Health System)

July 2021 - September 2022

- Learned lab techniques, including cell culturing, immunocytochemistry, and PCR
- Completed several research projects, including locating the NLS region of the p57 gene and testing NOTCH antibodies for use in future experiments

---

## SKILLS

- |                  |              |                             |
|------------------|--------------|-----------------------------|
| • Basic Python   | • PostgreSQL | • Adobe Suite               |
| • Basic Java     | • R          | • Google + Microsoft Suites |
| • Basic HTML/CSS |              |                             |