

# Alvin Lee

alvinlee225@gmail.com | (908) 938-8937

## EDUCATION

---

### New York University

May 2023

B.A. Mathematics and Computer Science

New York, NY

Major GPA: 3.7/4.0 | Cumulative GPA: 3.4/4.0

**Relevant Coursework:** Data Structures, Basic Algorithms, Computer Systems Organization, Linear Algebra, Discrete Math, Real Analysis, Theory of Probability, Introduction to Data Science

## TECHNICAL SKILLS

---

**Languages:** Python (Excellent), Julia (Proficient), Java (Familiar)

**Machine Learning:** NumPy, Pandas, Scikit-learn

## PROJECTS

---

### Predictive High School Acceptance

- Identified primary factors of a student being accepted to one of New York City's specialized high schools from 594 middle schools
- Pruned department of education data and built a predictive model using machine learning in Python to determine prospective acceptance
- Tools used: Python, pandas, scikit-learn, matplotlib

## EXPERIENCE

---

### Linear Algebra Grader, New York University

Sept. 2021 - Present

- Assist professor with grading assignments and providing individual feedback
- Present weekly observations about student progress to prepare for following lessons
- Established a new and efficient method to grade coursework that led to an increase in productivity and efficiency

### Community Coordinator, Alinea Invest

Nov. 2020 - Aug. 2021

- Partnered with NYU student organizations to host webinars with a focus of giving free socially responsible investing education to students
- Tested and gave feedback on the beta version of Alinea Invest's application

### Teacher, Learn Horizons Online

Sept. 2020 - Sept. 2021

- Developed and taught a full-year high school level geometry curriculum in one semester
- Worked with students weekly to create lesson plans catering to their unique needs
- Designed independent thought-provoking homework problem sets for each student
- Provided one-on-one coaching sessions for students preparing for high school math class exams