

# Ethan Loo

## EDUCATION

**Georgia Institute of Technology**  
*Computer Science - GPA 3.80*

Atlanta, GA  
*May 2022 – May 2026 (anticipated)*

## PROJECTS

### Spotify Wrapped Application

*Android Studio — Kotlin, Java*

- Developed fully functional application that retrieves and displays data from Spotify API.
- Led the planning and execution of UI/UX design and front-end development.
- Managed team using Agile project .

### Vertically Integrated Project: Video Game for Power Grids

*Unity — C#*

- Spearheaded planning and development of UI/UX design for video game.
- Collaborated across teams to determine mechanics, physics, and complexity of the game.
- Contributed to development of game assets.

### Quantum

*Unity — C#*

- Competed in regional, state, and national-level math competitions(NYCIML, NYCMTS).
- Facilitated weekly study sessions to discuss high-level **Probability Theory, Geometry & Algebra**.
- Led a 26-member math team as captain, overseeing strategy development and competition preparation.

## EXPERIENCE

### Keysight Technologies

May 2024 – Aug. 2024

*QA Engineer Intern*

*Penang, MY*

- Spearheaded test procedures for various new systems and application features in development.
- Collaborated in developing minimum viable product (MVP) for version 7.5.0-0 of Eggplant DAI.
- Received positive feedback from established brands like Buffalo Wild Wings for innovative sauce holder designs.
- Validated startup idea through market research and interview feedback as a part of Launch-X U-Michigan.

### Private Math Tutor

Sept. 2021 – Present

*Team Captain*

*Brooklyn, NY*

- Provided personalized tutoring sessions in algebra, calculus, and geometry to elementary & middle-school students
- Developed lesson plans for diverse learning styles, leading to improvements by **upwards of 1.5 letter grades**.

## AWARDS

### Speedo Scholastic All-American

Aug. 2023 – Present

- National award given to student-athletes who achieve a **national time standard** while maintaining a 3.5+ GPA.

### National Junior Honor Society

June 2023 – Present

- Award presented to students with outstanding achievements in academics, leadership, and community service.

## CLASSES

**Relevant Courses:** Data Structures and Algorithms, Computer Organization and Programming, Design and Analysis of Algorithms, Procedural Content Generation, Computer Graphics, Systems and Networks

## SKILLS & INTERESTS

**Programming Languages:** HTML, CSS, Java, Python, C, C#, JavaScript, SQL, LaTeX, SenseTalk

**Software/Frameworks:** Android Studio, Git, GitHub, Docker, VSCode, IntelliJ, NodeJS, Unity, Discord Developer Tool,

**Interests:** Web Design, Graphic Design, Microsoft Excel, Microsoft Office, Photography, Creative Writing, Archery, New York Knicks

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