

# Rafael Bailey

## EDUCATION

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**Brooklyn Technical High School**  
*GPA 3.76, Class rank 63/350, SAT 1510*

Brooklyn, NY  
*Sept. 2021 – Jun 2025*

## EXTRACURRICULAR ACTIVITIES

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### Student Government

Sept. 2023 – Jun. 2024

*Treasurer*

*Brooklyn, NY*

- Developed budget proposals, collaborating with the student government team to plan major school events.
- Organized and led fundraising events, **raising over \$5,000** for school activities and projects.
- Managed the student government budget, ensuring accurate tracking and allocation of funds.

### Math Team

Sept. 2022 – Present

*Team Captain*

*Brooklyn, NY*

- 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.

### Varsity Swim Team

Sep. 2021 – June 2024

*Team Captain*

*Brooklyn, NY*

- Led the varsity swim team to its **inaugural section championship** through leadership and strategic planning.
- Mentored junior team members, providing guidance on proper techniques, race preparation, and sportsmanship.

## EXPERIENCE

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### FlexiDip

June 2024 – Present

*Co-Founder*

*Ann Arbor, MI*

- **Co-founded startup** specializing in adjustable dipping containers, optimizing buffalo wing dining experience.
- Developed minimum viable product(MVP) capable of early-stage revenue generation.
- 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

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### 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

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**Courses:** AP Calulus BC, AP Chemistry, AP Physics, AP World History, AP U.S. History, AP Statistics, AP Literature

## SKILLS & INTERESTS

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**Skills:** Probability Theory, Web Design, Microsoft Excel, Microsoft Office

**Interests:** Photography, Creative Writing, Archery, New York Knicks

123-456-7890 | [andrew@gmail.com](mailto:andrew@gmail.com) | [linkedin.com/in/andrew](https://www.linkedin.com/in/andrew)