

# Mathias Nguyen-Van-Duong

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## EDUCATION

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### Ridgewood High School

*UW GPA 4.0, W GPA 4.5349, ACT 36, PSAT 1520, SAT 1550*

Ridgewood, NJ

*Sept. 2021 – June 2025*

## GENERAL EXTRACURRICULARS

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### Rowing (Ridgewood Crew)

2021 – Present

*JV/Varsity, Bow/Coxswain*

*Ridgewood/Lyndhurst, NJ*

- **Bowed** & rowed **JV/LTWT Varsity** doubles & quads for 2.5 years. **Coxed** the eight 1 year.
- Placed 4th in the state twice in the JV 8+ as a sweeper and coxswain & competed at **nationals**.

### Boy Scouts

2014 – Present

*Pending Eagle Scout*

*Ridgewood, NJ*

- Leadership positions: **Assistant Senior Patrol Leader**, Instructor, Webmaster, Assistant Patrol Leader.
- Eagle Project: Led scouts & raised **\$650** to build picnic tables for the New Day Program, where I volunteer.

### Special Needs Siblings and Friends Club

2022 – Present

*Co-president*

*Ridgewood, NJ*

- Met bi-weekly to organize monthly events to support special needs students in Ridgewood.
- Hosted the World Down Syndrome Day event featuring former RHS alumna Diana Stolfo with Down Syndrome.

### French Club

2021 – Present

*President*

*Ridgewood, NJ*

- Talked with students about French cultural and historical aspects and helped their language proficiency.
- As a leader, we met weekly to plan meetings, fundraisers, and events (like Montclair State University French Day).

## ACADEMIC EXTRACURRICULARS

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### Applied Engineering Club

2021 – Present

*Co-president, Team Leader*

*Ridgewood, NJ*

- Team-leader for 3 years & mentored two other teams as co-president.
- Created team to develop **InfoBand** product and competed at NJ STEAM Tank & Thomas Edison Pitch.

### Computer Club

2021 – Present

*President*

*Ridgewood, NJ*

- Placed 67th in the nation in Senior Int. 5 Division for ACSL (American Computer Science League).
- Partnered with the global nonprofit network **Hack Club** and received grants for our competitions and activities.

### Math Team

2021 – Present

*Team Captain*

*Ridgewood, NJ*

- Competed at BCML, NJML, AMC, and AIME (I was 1 of 4 in school of 1800 to qualify for AIME).
- Discussed challenge problems, competed in friendly competitions, and learned concepts like Bertrand's Paradox.

### National History Day Club

2023 – Present

*Co-president*

*Ridgewood, NJ*

- Collaborated to help each other prepare for our annual NHD competition.
- Presented a documentary on imaginary numbers in electrical engineering at Regionals at Monmouth University.

### French National Honor Society

2023 – Present

*2nd year member*

*Ridgewood, NJ*

- Promoted cultural awareness and tutored students in French after school on Tuesdays and Thursdays.

### Physics Academic Team

2023 – Present

*Competitor*

*Ridgewood, NJ*

- Competed at New Jersey Science League where I placed top 3 in the school for the AP Physics Contests.

### RHS's Chapter of the National Honor Society

2024 – Present

*Member*

*Ridgewood, NJ*

- Regularly volunteer to help kids after school with Physics, Math, and French tutoring.

## EXPERIENCES

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- United States Law Enforcement Coalition (USLEC) Internship Program** June 2023 – Present  
*Ambassador, Intern* Teaneck, NJ
- Interned at USLEC, mentored by various law enforcement members and government agents.
  - Met monthly and presented research through speeches to law enforcement professionals.
  - Selected as 1 of 20 interns the first year and was promoted to ambassador the following year.
- Mathnasium** Sept. 2024 – Present  
*Math Instructor* Wyckoff, NJ
- In charge of a table of 3-6 kids from 2nd grade to high school that I help out and tutor.
- MIT LaunchX Entrepreneurial Program** June 2024 – Aug. 2024  
*LaunchX Student* Ann Arbor, MI
- Selected as 1 of 80 and created a startup from scratch called StreakFit with an international team of 4.
  - Created StreakFit, a gamified fitness app focused on habit-building reward systems to encourage users to workout.

## VOLUNTEER EXPERIENCE

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- New Day Program** Feb. 2022 – Present  
*Volunteer* Norwood, NJ
- Mentored **adults with autism** at an adult day center for various daily activities and developing life skills.
- Milal Mission NJ** Sept. 2023 – Present  
*Volunteer* Saddle Brook, NJ
- Volunteered at an adult day center supporting the **special needs** community while introducing them to faith.

## RECENT PROJECTS

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- InfoBand** | *Dart, Flutter, NFC, Git* Oct. 2023 – Present
- Developed flutter-based app for InfoBand & 3D-printed wearable interactive NFC-embedded bracelet.
  - Aids communication between volunteers and those with special needs, along with nonverbal people in emergencies.
- RHS Student App** | *Dart, Flutter, Git, RHS API* July 2023 – Present
- Collaborated on the RHS App, the **official app** of Ridgewood High School for students, teachers, and parents.
  - Allows students to check class schedules, view absent teachers, and view daily announcements.
- Streakfit** | *Dart, Flutter, Figma, Git* July 2024 – Present
- Gamified fitness app and start-up utilizing habit-building reward systems to encourage users to work out.
  - Led international team of 4 at MIT's **LaunchX** entrepreneurial program and fundraised **\$200** to develop MVP.
- Row City** | *Dart, Flutter, Web scraping, Git* Apr. 2024 – Present
- Created a flutter-based app that web scrapes rowing data of regattas from websites like RowTown, HereNow, etc.
  - Prototyped a unified regatta results app, providing a more comprehensive and simple view of real-time race data.
- Swappa Listing Alerts** | *JavaScript, GCP, Regex, MacroDroid API* June 2024 – July 2024
- A webhook-macro automation that dynamically delivers Swappa notifications to Android devices in real-time.

## AWARDS

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- AP Scholar with Distinction Award** July 2024
- Achieved an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more exams.
- New York Times “Where We Are” Photo Essay Contest Finalist** June 2024
- An NYT Contest where I composed a photo essay documenting the local community of my rowing team.
- 1st Place in Bergen County Math League** Sept. 2023 – May 2024
- Competed on RHS math team where we placed first at BCML.
- Scholastic SRAA Rowing Nationals Competitor** Apr. 2024
- Coxed our 8+ to nationals. Top 3 boats in the state make it.
- NJ STEAM Tank Regionals** Feb. 2024

- Competed at NJ STEAM Tank Regionals through my InfoBand team for Applied Engineering.

**New Jersey Governor's School of Engineering and Technology** Feb. 2024

- Ridgewood High School GSET nominee from the Class of 2025. 2 chosen out of class size of 449.

**USACO Silver Division** Feb. 2024

- Award issued by USA Computing Olympiad.

**AIME Qualifier** Dec. 2023

- Competitors must take the AMC and perform within the top 2.5% of AMC 10 and 5% of AMC 12 test takers.

**PSAT/NMSQT National Merit Semi-finalist** Oct. 2023

- To get this distinction, a student must score above their residing state's cutoff. Semi-finalist for now.

**4th Place at Garden State Scholastic Rowing Championships** Apr. 2023

- Placed 4th as a sweeper of our JV 8+ my sophomore year.

**2x Certificat d'Honneur in National French Exam** Mar. 2023, 2024

- Achieved Certificat d'Honneur Award in Le Grand Concours National French Exam.

**2x Gold and 1x Bronze President's Volunteer Service Award** 2022, 2023, 2024

- For Young Adults, 100–174 hours are required for Bronze, 175–249 hours for Silver, and 250+ hours for Gold.

**YouTube Opal** Apr. 2021

- Prior to 2022, Opal was a YouTube benefit level for channels with 1,000 to 9,999 subscribers.

## AP CLASSES

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**Test results:** AP Computer Science Principles (5), AP Computer Science A (5), AP English Language and Composition (5), AP Calculus AB (5), AP Physics 1: Algebra-Based (5)

**Current courses:** AP English Literature and Composition, AP Statistics, AP Calculus BC, AP Biology, AP Physics C: Electricity and Magnetism, AP Physics C: Mechanics

## CERTIFICATES

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**Certificates:** AI for Everyone: Master the Basics edX, NJ State Seal of Biliteracy in French

## SKILLS & INTERESTS

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**Skills:** Bowling, Sweeping, Coxing, Java, C, Dart, Figma, VS Code, React JSX, CSS, Git, web scraping, French, Korean

**Interests:** Boulderling, Reverse-engineering iMessage, Linguistics, Chess, Lifting, Cubing, GeoGuessr, Minecraft