Mathias Nguyen-Van-Duong

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EDUCATION

Ridgewood High School — Ridgewood, NJ
UW GPA 4.0, W GPA 4.5349, Class Rank: 1/449, ACT 36, PSAT 1520, SAT 1550 — *Sept. 2021 – June 2025*

GENERAL EXTRACURRICULARS

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
Eagle Scout Rank — *Ridgewood, NJ*
- Leadership positions: **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

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

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

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

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

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

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

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

Skills & Interests

Skills: Bowing, Sweeping, Coxing, Java, C, Dart, Figma, VS Code, React JSX, CSS, Git, web scraping, French, Korean
Interests: Bouldering, Reverse-engineering iMessage, Linguistics, Chess, Lifting, Cubing, GeoGuessr, Minecraft