Mathias Nguyen-Van-Duong

551-264-6037 | mathiasnvd07@gmail.com | [LinkedIn](#) | [mathiasnvd.com](#)

EDUCATION

Ridgewood High School   Ridgewood, NJ
UW GPA 4.0, W GPA 4.5349, ACT 36, PSAT 1520, SAT 1550   *Sept. 2021 – June 2025*

GENERAL EXTRACURRICULARS

Rowing (Ridgewood Crew)   Nov. 2021 – Present
JV/Varsity, Bow/Coxswain   *Ridgewood/Lyndhurst, NJ*
- **Bowed** our Novice 4x, JV 2x, JV 4x.
- Swept & coxed our JV 8+, swept LTWT Varsity 4+.
- Placed 4th in the state in the JV 8+ as a sweeper and **coxswain**.

Boy Scouts   2014 – Present
Projected Eagle Scout Rank, Dec. '24   *Troop 7, Ridgewood, NJ*
- Eagle Scout Project: Led scouts & raised **$650** to create outdoor space for special needs program I volunteer at.
- Leadership positions: Senior Patrol Leader, Instructor, Webmaster, Assistant Patrol Leader.
- Met weekly as a member of the Patrol Leaders' Council to plan meetings, trips, fundraisers, etc.

Special Needs Siblings and Friends Club   2022 – Present
Co-president   *Ridgewood, NJ*
- Met bi-weekly to organize events centered around helping those with special needs in our community.
- Supported students with special needs in Ridgewood to make our schools a more accepting environment.
- Organized the World Down Syndrome Day event featuring a former RHS alumna 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*
- Formed individual teams to focus on creating an invention to present and compete with at competitions.
- Became team leader in my sophomore and junior year, along with co-president in my senior year.
- Organized weekly meetings, developed my team's product, and ran the club.

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.
- Organized weekly club meetings focused on coding competitions and activities.

Math Team   2021 – Present
Team Captain   *Ridgewood, NJ*
- Competed in regional, state, and national-level math competitions **(BCML, NJML, AMC, AIME).**
- Competed in the AMC 10 and 12 where I was 1 of 4 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.
- Created a mini-documentary on the application of imaginary numbers in electrical engineering, presented at Monmouth University at Regionals.

French National Honor Society
2nd year member

2023 – Present

Ridgewood, NJ

- Promoted cultural awareness and supported the community of French speakers within our high school.
- Tutored students in French after school on Tuesdays and Thursdays.
- Met two to three times monthly to plan activities, fundraisers, and meetings.

Physics Academic Team
Competitor

2023 – Present

Ridgewood, NJ

- Competed at New Jersey Science League where I placed top 3 in the school for the AP Physics Contests.
- Would compete in monthly competitions on our school team on varying topics from AP Physics 1, 2, and C.

RHS's Chapter of the National Honor Society
Member

2024 – Present

Ridgewood, NJ

- Selected for RHS' National Honor Society based on academics and essays.
- Regularly volunteer to help kids after school with Physics, Math, and French tutoring.

EXPERIENCES

United States Law Enforcement Coalition (USLEC) Internship Program
Ambassador

Sept. 2023 – Present

Teaneck, NJ

- Interned at USLEC, mentored by various law enforcement members and government agents.
- Selected as 1 of 20 interns the first year and was promoted to ambassador the following year.
- Scouted different law enforcement agencies and networked with government officials.
- Met monthly and presented research through speeches to law enforcement professionals.

Mathnasium
Math Instructor

Sept. 2024 – Present

Wyckoff, NJ

- Tutored kids from second grade to high school on subjects from counting to pre-calculus.
- In charge of a table of 2-4 kids that I help out and tutor through homework and worksheets.

MIT LaunchX Entrepreneurial Program
LaunchX Student

June 2024 – Aug. 2024

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 centered around habit-building reward systems to encourage users to workout

VOLUNTEER EXPERIENCE

New Day Program
Volunteer

Feb. 2022 – Present

Norwood, NJ

- Mentored **adults with autism** at an adult day center for various daily activities and developing life skills.

Milal Mission NJ
Volunteer

Sept. 2023 – Present

Saddle Brook, NJ

- Volunteered at an adult day center supporting the **special needs** community while introducing them to faith.

CODING PROJECTS

InfoBand | *Dart, Flutter, NFC, Git*

Oct. 2023 – Present

- A wearable band paired with an app to help those with special needs who are nonverbal in medical emergencies.
- Founded the team through Applied Engineering and created the InfoBand and accompanying flutter-based app.

RHS Student App | *Dart, Flutter, Git, RHS API*

July 2023 – Present

- Collaborated on the RHS App, the **official app** of Ridgewood High School.
- Allows students to check the schedule, view absent teachers, and see important announcements.

Swappa Listing Alerts | *JavaScript, GCP, Regex, MacroDroid API*

June 2024 – July 2024

- A webhook-macro automation that delivers Swappa email subscription notifications to Android devices through push notifications instead of having to tap 4 to 5 times every time a new listing shows up to check out its price.

Row City | *Dart, Flutter, Web scraping, Git*

Apr. 2024 – June 2024

- A prototype of a unified regatta results app.
- Created Row City, a flutter-based app that web scrapes rowing/crew data of regattas (a.k.a races) from websites like rowtown.org to provide a more comprehensive and simplified way of viewing real-time race data.

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.

Bronze and 2x Gold 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

Skills & Interests

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

Interests: Bouldering, Exploiting iMessage, Linguistics, Chess, 3Blue1Brown, Lifting, Cubing, GeoGuessr, Minecraft