

# Mathias Nguyen-Van-Duong

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## EDUCATION

### Princeton University

*B.S.E. Computer Science major*

Princeton, NJ

*Sept. 2025 – May 2029*

- **Relevant Courses:** Machine Learning (COS324), Algorithms & Data Structures (COS226), Statistics (ORF245), Linear Algebra (MAT202), Multivariable Calculus (MAT201)

### Ridgewood High School

*GPA: 4.53 (4.0 UW), Valedictorian (1/449), ACT 36, AP Scholar with Distinction*

Ridgewood, NJ

*Sept. 2021 – June 2025*

## ACTIVITIES

### Hoagie.io (Princeton Application System)

2025 – PRESENT

*HoagieMeal PM*

*Princeton, NJ*

- Product manager in charge of managing the development of Hoagie's newest app, **HoagieMeal**.
- Aims to offer diet-related health features, rated menus, and comprehensive offerings for all dining halls/cafes.

### AI @ Princeton

2025 – PRESENT

*Member*

*Princeton, NJ*

- Host weekly research talks with professors and look at research papers through NLP and CV reading groups.

### Princeton Quantitative Traders

2025 – PRESENT

*Member*

*Princeton, NJ*

- Conduct original research projects, collaborate on trading strategies, and compete in trading competitions.

### Applied Engineering Club

2021 – 2025

*Co-president, Team Leader*

*Ridgewood, NJ*

- Created team to develop **InfoBand** product and competed at NJ STEAM Tank & Thomas Edison Pitch.

## OTHER RECENT PROJECTS

### InfoBand | Dart, Flutter, NFC, Git

Oct. 2023 – Jun. 2025

- Developed flutter-based app for InfoBand & 3D-printed wearable interactive NFC-embedded medical bracelet.

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

July 2023 – Present

- Co-created the **official** Ridgewood High School app (check class schedules, absent teachers, and announcements).

### 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.

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

Apr. 2024 – Jun 2024

- Created a unified regatta results app, providing a more comprehensive view of live rowing data via web scraping.

## AWARDS

### PSAT/NMSQT National Merit Scholarship Winner

Feb. 2025

- Scored a perfect PSAT to become semi-finalist. 0.07% of test-takers and 16% of finalists got the \$2500 scholarship.

### Eagle Scout Award

Jan. 2025

- Eagle Project: Led scouts & raised \$650 to build picnic tables for the New Day Program, where I volunteered.

### 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.

## SKILLS & INTERESTS

**Skills:** Java, C, Dart/Flutter, JS, Colab, Figma, L<sup>A</sup>T<sub>E</sub>X, MATLAB, SolidWorks, CSS, Git, Excel/Sheets, French, Korean

**Interests:** BJJ, Ultimate (USAU D1 Athlete), Explainable ML, Rowing (SRAA Nationals), Boulderling, Cubing, Chess