

# Mathias Nguyen-Van-Duong

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## EDUCATION

### Princeton University

Princeton, NJ

*B.S.E. Operations Research and Financial Engineering major*

*Sept. 2025 – May 2029*

- **Relevant Courses:** Algorithms & Data Structures (COS226), Advanced Vector Calculus (MAT203), Fundamentals of Statistics (ORF245)

### Ridgewood High School

Ridgewood, NJ

*GPA: 4.53 (4.0 UW), Valedictorian (1/449), ACT 36*

*Sept. 2021 – June 2025*

## EXTRACURRICULARS

### Hoagie.io (Princeton Application System)

2025 – PRESENT

*HoagieMeal PM*

*Princeton, NJ*

- Research project manager of Hoagie's newest app, **HoagieMeal**.
- Aims to offer diet-related health features, rated menus, and comprehensive offerings for all dining halls/cafes.

### Princeton Quantitative Trading Club

2025 – PRESENT

*Member*

*Princeton, NJ*

- Conduct original research projects and compete in trading contests (e.g. Citadel Securities Trading Challenge).

### AI @ Princeton

2025 – PRESENT

*Member*

*Princeton, NJ*

- Host weekly research talks with professors and events like the AI TigerTrek (annual spring trip to SF).

### 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 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

- 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. Eventually, of the 15,000 finalists, 2,500 get 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 volunteer.

### 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, Javascript, Figma, L<sup>A</sup>T<sub>E</sub>X, React JSX, CSS, Git, Web Scraping, French, Korean

**Interests:** Ultimate (USAU D1 Athlete), Rowing (Nationals Competitor), Bouldering, Chess, Cubing, Minecraft