

# Mathias Nguyen-Van-Duong

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## EDUCATION

<b>Princeton University</b> <i>B.S.E. Operations Research and Financial Engineering major</i>	Princeton, NJ Sept. 2025 – May 2029
• <b>Relevant Courses:</b> Algorithms & Data Structures (COS226), Advanced Vector Calculus (MAT203), Fundamentals of Statistics (ORF245)	

<b>Ridgewood High School</b> <i>GPA: 4.53 (4.0 UW), Valedictorian (1/449), ACT 36</i>	Ridgewood, NJ Sept. 2021 – June 2025
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## EXTRACURRICULARS

<b>Hoagie.io (Princeton Application System)</b> <i>HoagieMeal PM</i>	2025 – PRESENT Princeton, NJ
• Research project manager of Hoagie's newest app, <b>HoagieMeal</b> . • Aims to offer diet-related health features, rated menus, and comprehensive offerings for all dining halls/cafes.	
<b>Princeton Quantitative Trading Club</b> <i>Member</i>	2025 – PRESENT Princeton, NJ
• Conduct original research projects and compete in trading contests (e.g. Citadel Securities Trading Challenge).	
<b>AI @ Princeton</b> <i>Member</i>	2025 – PRESENT Princeton, NJ
• Host weekly research talks with professors and events like the AI TigerTrek (annual spring trip to SF).	
<b>Applied Engineering Club</b> <i>Co-president, Team Leader</i>	2021 – 2025 Ridgewood, NJ
• Created team to develop <b>InfoBand</b> product and competed at NJ STEAM Tank & Thomas Edison Pitch.	

## OTHER RECENT PROJECTS

<b>InfoBand</b>   <i>Dart, Flutter, NFC, Git</i>	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.	
<b>RHS Student App</b>   <i>Dart, Flutter, Git, RHS API</i>	July 2023 – Present
• Co-created the official Ridgewood High School app (check class schedules, absent teachers, and announcements).	
<b>Swappa Listing Alerts</b>   <i>JavaScript, GCP, Regex, MacroDroid API</i>	June 2024 – July 2024
• A webhook-macro automation that dynamically delivers Swappa notifications to Android devices in real-time.	
<b>Row City</b>   <i>Dart, Flutter, Web scraping, Git</i>	Apr. 2024 – Jun 2024
• Created a unified regatta results app, providing a more comprehensive view of live rowing data via web scraping.	

## AWARDS

<b>PSAT/NMSQT National Merit Scholarship Winner</b>	Feb. 2025
• Scored a perfect PSAT to become semi-finalist. Eventually, of the 15,000 finalists, 2,500 get the \$2500 scholarship	
<b>Eagle Scout Award</b>	Jan. 2025
• Eagle Project: Led scouts & raised <b>\$650</b> to build picnic tables for the New Day Program, where I volunteer.	
<b>USACO Silver Division</b>	Feb. 2024
• Award issued by USA Computing Olympiad.	
<b>AIME Qualifier</b>	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