

Alex Patney
alexpatney.com

EDUCATION

Chaminade High School (Sep. 2023 - Jun. 2027)

GPA: 98.92/100 | Class Rank: 1/426

Relevant Coursework: AP Calculus BC, AP Physics C: Mechanics, AP Physics C: Electricity and Magnetism, Honors Linear Algebra, AP Statistics, AP Macroeconomics, AP Microeconomics

RESEARCH EXPERIENCE

Student Researcher, Chaminade Science Research Program (Sep. 2023 – Present)

- Conducted toxicology experiments on SPION exposure in *Artemia salina*, earning a Meritorious Award at the 2025 Long Island Science Congress
- Transitioning research focus to classical and modern physics, with upcoming projects in mechanics, electromagnetism, and mathematical simulation under faculty guidance

Math Research Club & Modeling Team

- President (Sep. 2025 – Present)
 - Overseeing club revitalization through structured workshops, peer-led sessions, and broader competition engagement
 - Leading Chaminade’s 2026 M3 MathWorks Challenge preparation with a focus on high-quality model development and team strategy
- Member (Sep. 2023 – Jun. 2025)
 - Participated in mathematical research discussions and competition prep
 - Directed the JV team in modeling Problem 1 during the 2025 M3 Challenge; supported varsity team strategy as an underclassman

LEADERSHIP & ACTIVITIES

Robert C. Wright Speech and Debate Club

- Vice President (Sep. 2025 – Present)
 - Oversee day-of operations for the annual Chaminade Invitational and all hosted tournaments
 - Recruit and manage student volunteers for service hours and event staffing
 - Support novice onboarding and help cultivate a culture of leadership and performance
- Debate Captain (Sep. 2024 – Jun. 2025)
 - Mentored novice debaters in Lincoln-Douglas argumentation and tournament prep
 - Led varsity squad through competitive season; reached Octofinals at NYS Championship

Math Club / Math Team

- Vice President (Sep. 2025 – Present)
 - Lead AMC-style training sessions and present engaging topics in higher mathematics
 - Organize and coach team participation in the Nassau Math Tournament (NMT) and local contests
- Member, Economics Club, Business Club, Sodality (Sep. 2023 – Present)

HONORS & AWARDS

- Octofinalist, New York State Debate Championship – Lincoln-Douglas (Apr. 2025)
- Meritorious Award, Long Island Science Congress – SPION Toxicology Research (Apr. 2025)
- 1st Place, Princeton Classic Speech & Debate Tournament – Lincoln-Douglas (Dec. 2023)
- AP Scholar with Honor, College Board (Jul. 2024)

EMPLOYMENT & SERVICE

Counselor-in-Training, Rolling River Day Camp

East Rockaway, NY | Jun. 2023 – Aug. 2024

- Assisted with daily activity planning and supervision for a group of 15+ campers aged 6–7
- Supported logistical setup, lunch distribution, and safe bus transitions in coordination with senior staff

SKILLS

Research Design & Analysis • Scientific Writing • Theoretical Modeling • Python • Java • Math & Statistics • Microsoft Office • Google Workspace • Leadership & Collaboration • Analytical Problem Solving