NICHOLAS YAP

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Education

Cornell University   **08/2023 – 05/2027**
Pursuing Bachelor of Computer Science with a focus on cybersecurity and AI, planning to pursue Master's degree in Space Systems.

Parsippany High School | Parsippany-Troy Hills, NJ   **09/2019 – 06/2023**
Weighted GPA: 4.7/4.0 | SAT: 1550

Rider University   **06/2022**
Rebovich Institute - New Jersey Politics and Government course POL-200 | Grade: A

Skills

Programming Languages: Java, C, OCaml, Python, Assembly, CSS, HTML, JavaScript, R.
Technologies, Tools & Practical Skills: Android Studio, Git/Github, Computer Networking, Computer Forensics & Memory Forensics, Computer Vision, Anyrun, Cryptography, Cybersecurity, Kali Linux, Metasploit, Volatility, Wireshark, Microsoft Office Suite, Unity, Soldering & Crimping.
Soft Skills: Written/Verbal Communication, Leadership, Teamwork, Adaptability, Customer Service.

Experience

i5 Space at Cornell   **09/2024 - Present**
   Commander   **09/2025 - Present**
   Deputy Commander   **09/2024 - 09/2025**
Coordinate with i5 National to organize events to teach students about the US Space Force (USSF) and space. 15 Members at Cornell and over 1,000 nationally. Events include alumni speakers and technical projects such as developing an AI wrapper.

Research in Computational Biology   **06/2024 - Present**
Researcher at Wei Lab. I was initially underqualified for the position but was interested in the research, so I reached out to the PI to see if I could still work at her lab. She accepted on the condition that I did self-study to better understand the biological concepts. I am now well-versed in genetic theory and am currently investigating the effects of Neanderthal introgression on complex trait evolution.

Air Force Reserve Officer Training Corps (AFROTC)   **08/2023 - Present**
Enrolled in the AFROTC as a cadet of Detachment 520. Weekly three hour leadership labs in addition to various rotating responsibilities. Competed in Battle of New York as part of the cybersecurity team. As the most experienced member, I lifted my teammates by tutoring them through various cybersecurity challenges. Our team placed first of eight.

Advanced Course in Engineering (ACE)   **06/2025 - 08/2025**
Graduated from the ACE program which comprised 10 demanding 100 hour work-weeks involving lectures in cybersecurity, research and development for the DoD, and a bi-weekly cyber operation. Lecture topics include: cryptography, hardware security, reverse engineering, and red teaming. Technical problems assigned after every lecture, and required a comprehensive written report averaging 30 pages. My research project consisted of developing proprietary technology for the NSA.

GIAC Foundational Cybersecurity Technologies   **09/2022**
Passed GFACT exam with an 85.71%. Tested a semester worth of a college course of foundational cybersecurity concepts. Listed in GIAC Certified Professionals Directory database.

American Legion Jersey Boys State Delegate   **06/2022**
Nominated by school faculty. Attended 2022 ALJBS at Rider University as a delegate of American Legion NJ Post 249. Elected to the positions of Ward Leader, City Party Chairman, City Administrator, and County Party Chairman. Gained experience in leadership, management, and policymaking.