

# Nicholas Tenebruso

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## EDUCATION

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- **Stevens Institute of Technology** Hoboken, NJ  
*Bachelor of Science in Computer Science; GPA: 3.8* *August 2024 – May 2029 (Expected)*
  - **Relevant Coursework:** Vectors & Matrices, Discrete Structures, Data Structures
  - **Honors & Awards:** Presidential Scholarship, Edwin A. Stevens Scholarship
- **Northern Valley Regional High School** Old Tappan, NJ  
*GPA: 4.3* *September 2020 – June 2024*
  - **Relevant Coursework:** Honors STEM Capstone, AP Computer Science A/Principles, Honors Computer Programming (1 of 5 students to achieve entry), Tech & Engineering Foundations
  - **Honors & Awards:** National Honor Society, Technology and Engineering Award, Career Technical Education Certification, NJ Seal of Bi-Literacy in Italian

## EXPERIENCE

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- **Code Ninjas** Norwood, NJ  
*Lead STEM Instructor* *November 2021 – July 2024*
  - Teach children ages 4 to 14 years old how to code through a video game development curriculum that rewards level progression with simulated karate belts.
  - Manage and train new employees to work with students as they familiarize themselves with the Code Ninjas curriculum.
- **Technology Student Association**  
*Project Manager, Video Game Development Team* *2022 – 2024*
  - Create weekly agenda for twelve team members and three sub-teams.
  - Keep team members on task with regular check-ins and feedback.
  - Review and submit project documentation in accordance with TSA guidelines.
  - Represent the team as a captain at the annual New Jersey State TSA Convention.  
*Head Developer, Video Game Development Team* *2020 – 2022*
  - Implement complex programming logic.
  - Attend National TSA Conference in Dallas, TX as one of three representatives from my chapter.

## PROJECTS

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- **Gesture Recognition Model:** A hand gesture recognition model trained using the 20bn Jester Dataset with a 3D Convolutional Neural Network.
- **Arctic OS:** An Arch-based Linux distribution with a graphical installer, made for educational purposes.
- **Rust HTTP Server:** An HTTP server library written in Rust with zero external dependencies.
- **Redlight:** A web-based third party client for Reddit, without any trackers or ads.
- **TypeTest:** A web application that can analyze typing statistics such as WPM and accuracy in detail.

## SKILLS

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- **Languages:** HTML, CSS, JavaScript, TypeScript, C, C++, Python, Rust, Go, Java
- **Frameworks:** React, Vue, Astro, Hugo, Vite, Tailwind, Next.js, Express, NestJS, Prisma, Drizzle
- **Tools:** Docker, PostgreSQL, MongoDB, Git, Linux