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EDUCATION

- **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

- **Code Ninjas** — Norwood, NJ
  Lead STEM Instructor — *November 2021 – July 2024*
  - Taught 75+ children ages 4 to 14 years old how to code through a video game development curriculum that rewards level progression with simulated karate belts.
  - Managed and trained a team of seven employees to work with students as they familiarized themselves with the Code Ninjas curriculum.

- **Technology Student Association**
  Project Manager, Video Game Development Team — *2022 – 2024*
  - Created weekly agenda for twelve team members and three sub-teams.
  - Kept team members on task with regular check-ins and feedback.
  - Represented the team as a captain at the annual New Jersey State TSA Convention.

  Head Developer, Video Game Development Team — *2020 – 2022*
  - Implemented complex 2D and 3D video game programming logic.
  - Attended National TSA Conference in Dallas, TX as one of three representatives from my chapter.

PROJECTS

- **Gesture Recognition Model**: Python, Keras, Tensorflow
  - A hand gesture recognition model trained using the 20bn Jester Dataset with a 3D Convolutional Neural Network.
- **Arctic OS**: Bash, C, C++
  - An Arch-based Linux distribution with a graphical installer, made for educational purposes.
  - Packaged a custom patch for the Calamares Installer, used Archiso to build a bootable ISO image, designed a custom welcome application in GTK, maintain a custom package repository.
- **Rust HTTP Server**: Rust
  - An HTTP server library written in Rust with zero external dependencies.
  - Utilized multi-threading to handle concurrent requests.
- **TypeTest**: HTML, CSS, TypeScript, Vue.js, Supabase, Docker, CI/CD
  - A web application that can analyze typing statistics such as WPM and accuracy in detail.
  - Implemented secure authentication and scalable database storage using Supabase.
  - Built a modern, interactive user interface using Vue.js.

SKILLS

- **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