**Education**

**Purdue University, West Lafayette, IN**  May 2028

Bachelor of Science in Computer Science

Courses: Object Oriented Programming, Programming in C, Calculus III, Computer Programming Tools

**Kinnelon High School, Kinnelon, New Jersey** June 2024

Honors:National Honors Society, Math Honors Society, English Honors Society

**Skills**

**Programming Languages:** Java, Python, SQL, C++, C, C#, thinkScript

**Software:** Visual Studios, PyCharm, IntelliJ, Cura, Arduino IDE, Onshape, Thinkorswim API

**Hands-On:** Soldering, 3D Printing, Arduino, Computer Building

**Work Experience**

**Integ Enterprise Consulting, inc** August 2023 – September 2023

Intern

* Engineered and maintained SQL-based backend databases
* Integrated AI models to optimize energy production rates for clients
* Created a frontend interface through company resources

**Racquet Stringing Business – Kinnelon, New Jersey** September 2021 – Present

Owner

* Individually managed Racquet stringing business
* Ensured high-quality craftsmanship of over 50 racquets per month
* Maintained inventory of stringing materials and tools to ensure timely service
* Offered personalized recommendations to customers on string types and tension settings for optimal performance
* Managed a custom database to provide an accurate service

**Knock Knock Boys – Kinnelon, New Jersey** September 2020 – Present

Co-Founder

* Help lead a community initiative in which volunteers send over 100 hand-made seasonal gifts
* Organized and led successful volunteering events, fostering community engagement and participation
* Cultivated strong relationships with local nursing homes, enhancing the quality of life for residents through regular visits and activities

**Academic Projects**

Trading Algorithm June 2024 - August 2024

* Developed an indicator that can overlay the trading strategy onto any chart
* Created a chart that would display the profit/loss of the strategy
* Stored and analyzed trading data by exporting trade specifications into a database

Game Development December 2023 - February 2024

* Engineered a 3D platform puzzle game in Unity using C#
* Implemented animations and particle effects, controlled through C#, to enhance the visual appeal and user experience
* Published the game on the Steam platform

Robotic Arm June 2023 - July 2023

* Designed and built a robot to operate an arm while moving through Arduino
* Created dynamic circuits to enable movement and sensor functionality
* Developed Arduino code to work with servo motors

**Leadership & Volunteer Experience**

* **TSA President**: Prepared STEM-related presentations and organized project meetings (2021 – 2024)
* **Tennis Team Manager -** Set up practices, taught players fundamentals, and recorded stats (2021 - 2024)
* **Community Partners for Hope** - Volunteered weekly to provide food for families in need (2021 - 2024)