Devin Stapleton

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Education

- Saint Josephs Regional High School Montvale, NJ   (2016-2020)
- *Bachelor of Science (Computer Science)*: The College of New Jersey Ewing, NJ, May 2024,
                 Major GPA: 3.0

Skills & Interests

- <u>Programming Languages</u>: C/C++, C#, Python, Java, LaTeX, R, Pinescript
- <u>Skills</u>: ASP.NET Fullstack, SQL, IT, Unity Engine, Microsoft Office, Communication, Collaboration, Multitasking
- <u>Concepts Learned</u>: Object-Oriented Programming, Data Structures, Computer Architecture, Boolean Logic, Algorithms

Work Experience

<u>Programmer/Subscription Support</u> - Shinobi Technologies LLC   (2021)
- Developed trading strategies and indicators via Pinescript on TradingView platform that allow clients to increase profits on the stock market
- Maintained customer satisfaction by answering questions and resolving issues with our services

<u>Lifeguard/Maintenance</u> - Park Ridge Municipal Pool Park Ridge, NJ   (2017-2022)
- Maintained entire outdoor grounds as head of maintenance including the pool, lawn, and parking lot
- Managed computer systems as main IT allowing office employees to work with minimal downtime
- Surveyed pool to prevent injuries and ensure safety of customers

Projects

<u>Stock Growth Comparator App</u>*(Personal)*
- Designed and developed a new stock trading strategy that current charting tools are unable to graph
- Programmed in python to create an app that takes two stock chart CSV files from yahoo finance API to create a new CSV file that is the difference in growth between the two stocks
- The CSV file is then used in a python graphing library to display the new candlestick graph
- Created custom GUI for app that allows users to type in personal stock picks and graph settings

<u>Clash Royale Decker Counter</u>*(Hackathon Group)*
- Designed a webapp in Python that studies 400,000 matches from the card game Clash Royale as a dataset to create a deck that has the highest probability of beating any input deck
- Worked with team to create a machine-learning algorithm and develop a 2d dictionary data structure to store every card and its win percentage compared to every other card

<u>Wordle in Assembly</u>*(class project)*
- Programmed in assembly language to recreate wordle in custom circuit
- Developed and designed I/O to allow real time input from user with outputs that give feedback to user

<u>Robotics Programming</u>*(class project)*
- Programmed VEX robot in C to be able to pass obstacles and complete objectives
- Updated code to be able to work with new hardware added to robot

<u>VR Shooter Game</u>(*Personal*)
- Developed VR shooter game in Unity using C#
- Programmed C# scripts to create NPC logic that chases after player

Clubs

- Association for Computing Machinery(Treasurer) - Maintain and ensure funding for club activities
- TCNJ Hackathon(Director of Finance) - Manage budget and obtain funding for major school event
- Esports Club
- Italian Club