Nate Levinson

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EDUCATION

Wesleyan University - BA in Computer Science   Middletown, CT
Major GPA 3.70 – GPA 3.52   *Aug. 2021 – May 2025*

PROFESSIONAL EXPERIENCE

Summer Intern   June 2023 – Aug. 2023
Lavner Education   *Villanova, PA*
- Instructed students in Python, Java, and Scratch coding, app development, game design, and responsive web design
- Assisting with the setup and maintenance of on-site computer hardware, software, and internet connectivity and maintained the upkeep of computers, printers, and classroom equipment across campus by a

Business Owner   March 2019 – June 2022
Software Engineer & Entrepreneur   *Wynnewood, PA*
- Built a $500,000 revenue business generating a six-figure through the buying and reselling of high-demand consumer products from online retailers
- Reverse engineered Restful API framework of 60 popular retail websites to establish a backend monitoring system that sent notifications when profitable items matching specific keywords load on select sites
- Hosted multi-thread monitoring system on a directory of rotating IP addresses and ports to ensure 24/7 runtime
- Processed over one thousand individual SKUs of merchandise and organized all aspects of business including inventory management, ordering, receiving, shipping, customer service

PROJECTS

SeatSecure | *Python, Restful API, HTML/CSS, Requests*   Aug. 2022 – Present
- Built software to book reservations at the most exclusive venues around the country via Resy.com
- Analyzed backend network requests to and from Resy.com and implemented Python's Requests library to mimic and automate the Restful API flow of the reservation process in a highly efficient manner
- Employed 24/7 monitoring to ensure reservations with matching specified customer criteria (e.g. location, time, party size) are booked the instant they open. A technical summary of my code can be found here

Sports Betting Optimizer | *Python (pandas), Restful API, CSV, Statistics*   Jan. 2023 - Feb. 2023
- Created a tool to locate sports bet lines with the maximum EV (Expected value) on PrizePicks.com
- Compiled all available bets and an extensive JSON object of player data by web scraping and making API calls on PrizePicks and NHL.com, and pairing group players by stat line such as Points, Goals, Assists
- Implemented a statistical z-score analysis of data to pinpoint and return the optimal bets in a sorted table

TEACHING EXPERIENCE

Dean's Peer Tutor   Sept. 2022 – May 2023
Wesleyan University   *Middletown, CT*
- Invited to participate in the Dean's Peer Tutoring program for two consecutive years
- Responsible for providing one-on-one meetings and planning productive curriculum with students requesting support with Computer Science related coursework

Teaching Assistant   Sept. 2022 – May 2023
QAC 154 - Working With MATLAB & COMP112 - Intro To Programming   *Middletown, CT*
- Led weekly 30-person labs, teaching students a variety of search/sort algorithms, object-oriented programming (OOP), and control structures
- Hosted extra help sessions to provide students with feedback and support with coursework, graded weekly homework assignments, and edited class rubrics and guidelines to improve clarity and understanding

TECHNICAL SKILLS

Languages: Python, C, HTML/CSS, SMLNJ, MATLAB, JavaScript
Frameworks / Libraries: Next.js, Flask, FastAPI, REST API / Pandas, NumPy, Matplotlib, Requests, SciPy
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, Eclipse, Excel, LaTeX
Relevant Coursework: Introductory Algorithms and Abstract Data Types, Functional Programming, Discrete Math, Calc 1 & 2

Interests: Chess, Music, Geography, Vexillology, Sports Analytics, History, Sneakers