Maxwell Schneider

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EDUCATION

Virginia Tech   Blacksburg, VA
Bachelor of Science in Computer Science, Minor in Mathematics **GPA: 3.84**   *Aug. 2022 – Dec. 2025*
Relevant Coursework: Data Structures and Algorithms, GUI Programming & Graphics, Software Engineering, Applied Combinatorics, Computer Organization, Cryptography, Discrete Mathematics, Differential Equations

EXPERIENCE

Research & Analytics Intern   May 2024 – Aug. 2024
Investure   *Charlottesville, VA*

- Redesigned legacy data load processes to be more lightweight and support targeted update functionality, reducing effective runtime by ∼92%
- Developed an exchange, transform, and load process with **pandas** and **SQLAlchemy** that transforms scattered investment data into a consistent and interpretable ownership structure while maintaining asset allocation accuracy with a tolerance of 5 basis points
- Fulfilled ad hoc requests such as visualizing portfolio diversity using network theory, determining client exposures to companies on divestment lists, and automating various manual data load procedures

Virginia Tech Dining Services   Aug. 2023 – Present
                                                                                          Blacksburg, VA

Student Hiring Administrator   *March 2024 - Present*

- Worked on a team of 6 to hire 1000+ students for Virginia Tech Dining Services per semester
- Increased hiring efficiency by automating data entry tasks with Microsoft Power Automate
- Digitized the creation of hiring documents using Microsoft Power Apps, eliminating steps that would previously take up to 10 minutes per applicant

Student Manager   *Aug. 2023 - March 2024*

- Acted as a liaison between salaried unit leadership and student employees, primarily relaying important messages and keeping management informed of student schedule changes & absences
- Streamlined production efficiencies by delegating tasks to student employees based on individual strengths and providing support whenever necessary

PROJECTS

Workwise | *MongoDB, Express, React, Node*   Jan. 2024 – May 2024

- Lead a team of 6 to develop an all-in-one employee management system using **Agile** methodology, providing a streamlined, user-friendly workforce solution
- Implemented the backend and frontend, featuring session-based authentication with a **Node.js** backend, and a **React** frontend styled using **Bootstrap**
- Managed project sprints and monitored team performance through regular sprint retrospectives

Vector Software | *C#, C++, WPF, MySQL, PHP*   June 2020 – Aug. 2022

- Developed and sold desktop software built with **C#** and the **WPF** UI framework that featured a variety of scripts to improve user experiences in video games
- Effectively supported ∼500 users with a custom web-based user panel, authentication system, and server/database built with **PHP** and **MySQL**
- Implemented various security measures such as obfuscation & virtualization, heartbeat server checks and hardware ID locking to prevent unauthorized distribution of the program
- Netted ∼$10,000 in sales through personal brand and independent contracting/consulting

TECHNICAL SKILLS

Languages: C#, C/C++, Python, Java, PHP, SQL, JavaScript, HTML/CSS, Assembly
Frameworks: React, Node.js, Django, WPF, Bootstrap, Material-UI, WebGL
Libaries: NumPy, pandas, Matplotlib, SQLAlchemy