

# Maxwell Schneider

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## EDUCATION

### Virginia Tech

*Bachelor of Science in Computer Science, Minor in Mathematics* **GPA: 3.84**

Blacksburg, VA

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

*Investure*

May 2024 – Aug. 2024

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

*Student Hiring Administrator*

Aug. 2023 – Present

Blacksburg, VA

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

**Libraries:** NumPy, pandas, Matplotlib, SQLAlchemy