SHAWN THOMAS

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EDUCATION

University of Virginia, School of Engineering and Applied Sciences *Charlottesville, VA*
Bachelor of Science in Computer Science *August 2022 - May 2026*
- CS GPA: 3.918
- Relevant Coursework: Data Structures and Algorithms 1, Computer Systems and Organization 1, Discrete Math and Theory 1, Introduction to Programming (Python).

RELEVANT PROJECTS

Portfolio Website | Link *Charlottesville. VA*
Frontend Developer *January 2024*
- Created a Portfolio website with JavaScript, HTML and CSS.
- Implemented Responsive Design: Ensured the website offers an optimal viewing experience across a wide range of devices (from desktop computers to mobile phones) by utilizing CSS media queries, flexible grid layouts, and scalable images.
- Developed Interactive UI Components: Crafted dynamic user interface elements such as a custom navigation bar, modal windows, and animated scrolling effects to enhance user engagement and improve navigation throughout the site.

Stock Prediction Web App | Link *Charlottesville. VA*
Developer *November 2023*
- Developed a Stock Prediction Web App using Python and Streamlit, featuring an intuitive user interface that allows users to select any S&P 500 stock and predict its future prices with Facebook's Prophet model.
- Implemented dynamic data extraction from Yahoo Finance, ensuring real-time access to historical stock data, and utilized BeautifulSoup for automated scraping of stock tickers from Wikipedia, maintaining an up-to-date selection for analysis.
- Enhanced user engagement with interactive visualizations using Plotly, displaying both historical and forecasted stock data, facilitating informed investment decisions through intuitive and detailed graphical analyses.

TaskTune (Task Management/Reminders app) | Link *Charlottesville. VA*
Developer *October 2023*
- Created a Task management and Reminders mobile app on Android Studio using Java and xml with the functionality to Add, Edit, View, Complete and Delete tasks.
- Incorporated an alarm feature which rings at the given entered deadline using android's provided calendar and time features.

Powr, Web Project (Hoo hacks Hackathon) | Link *Charlottesville. VA*
Backend Developer *March 2023*
- Collaborated within a randomly assembled team of 3 to conceptualize and develop "Powr," a user-focused website aimed at promoting home sustainability. The platform engages users with questions and provides tailored recommendations for sustainable living practices (More information available on GitHub).
- Led development of the project's backend in Python, ensuring seamless functionality and efficient data processing.
- Presented and demonstrated the final website design to the 2 Hoo Hacks judges, showcasing its functionality and potential impact.

EXTRACURRICULAR ACTIVITIES

Computer Network and Security Club at UVA, Charlottesville, VA
Computer Network and Security, Member *August 2023 - Present*
- Engaged with like-minded peers on specific challenges using Secure Shell and Linux commands in command prompt, fostering a dynamic learning environment where creative problem-solving and innovative solutions were encouraged and celebrated.

SKILLS

- Technical: Python, JavaScript, Java, C/C++, HTML, CSS, x86-64 Assembly, 8085 Assembly.