Phong Nguyen

Phone: 727-317-7965 - Email: pnguyen27@usf.edu – GitHub: https://github.com/skyfalljoss/

EDUCATION

- University of South Florida (USF GPA: 3.81)   Tampa, FL

Bachelor of Science in Computer Science   Expected August 2026

Relevant Coursework: Data Structures & Algorithms, Analysis of Algorithm, Computer Architecture, Design Database, Introduction to AI, Software Engineering, Object-Oriented Programming…

- Saint Peterburg College (GPA: 3.90)   St. Peterburg, FL

Associate of Art Degree   Fall 2022 - Fall 2024

PROJECT

Stock Chatbot | Full-Stack AI-Powered Financial Assistant   **August 2025**

- Developed full-stack financial chatbot using Python Flask backend, LSTM neural network for stock price prediction, and Streamlit frontend for interactive user experience
- Engineered RESTful API to process natural language queries, integrate Alpha Vantage API for real-time stock data, and serve ML predictions through conversational interface
- Implemented LSTM time series forecasting model with modular architecture supporting automated retraining, model persistence, and scalable prediction pipeline
- Designed modular system architecture with separate backend, frontend, and ML components, enabling maintainable codebase and easy model updates

Technologies: Python, Flask, Spacy, Keras/TensorFlow, Pandas, yfinance, Streamlit,

Finance Portfolio Dashboard: **July 2025 – August 2025**

- Created a responsive user interface with HTML, CSS, and JavaScript, featuring dynamic charts (Chart.js) and tables that update in real-time without page reloads.
- Developed a full-featured portfolio management system with CRUD functionality to buy and sell stocks, track holdings, and manage a cash balance, all stored in a SQLAlchemy database.
- Implemented features to calculate and visualize historical portfolio performance and asset allocation, providing users with a clear overview of their investments

Technologies: Python, Flask, SQLAlchemy, Pandas, yfinance, JavaScript, HTML, CSS, Chart.js

News Aggregator Websites: **July 2024**

- Developed a full-stack web application using Django framework
- Implemented web scarping to aggregate news
- Designed and implemented data models using Django ORM to manage and store news articles and sources

Technologies: Python, Django, HTML, CSS, JS REST API, PostgreSQL, git

SKILLS

Languages: C/C++, Python, HTML, CSS, JS, SQL (Mysql, PostgreSQL, SQLite)

Frameworks: Django, Flask, Reactjs, React.js, TailwindCSS, TensorFlow/Keras,

Tools: Git, GitHub, Docker