

SHASHANK VEMURI

North Brunswick, NJ, 08902 ♦ shashank.vemuri1@gmail.com

GitHub: @shashankvemuri ♦ www.shashankvemuri.com ♦ LinkedIn: @shashank-vemuri

EDUCATION

North Brunswick Township High School

September 2018 - June 2021

Relevant Coursework: AP CS Principles, AP Statistics, AP Calculus BC, AP Economics

GPA: 4.7/4.0

EXPERIENCE

Alpaca

April 2021 - Present

Software Engineer - DX

San Mateo, CA/U.S. (Remote)

- Led the creation of a GitHub repository with 10+ Jupyter research notebooks with step-by-step guides on how to use the Alpaca Python SDK to build algorithmic trading systems (100+ stars, 100+ forks, 1,000+ clones)
- Wrote 5 developer-experience articles with a combined 100,000+ views on using Alpaca's Crypto Data API in context of implementing popular trading strategies, building websockets, containerizing applications, and deploying to cloud providers

Bloom (YCS21)

October 2021 - December 2021

Software Engineer - Full Stack

San Francisco, CA/U.S. (Remote)

- Singlehandedly designed and developed a virtual stock market game using TypeScript, Next.js, Node.js, and Firebase for 50,000+ teenage users to interactively learn about long-term investing without risking real capital
- Built the functionality to make individual accounts, create multiplayer games with invitation capability, research company fundamental data, buy/sell fractional shares of thousands of stocks, and track in-depth real-time performance

Knowt

January 2020 – December 2021

Software Engineer - Frontend

Lewes, DA/U.S. (Remote)

- Achieved a 64% decrease in bounce rate from the web app by using Next.js to develop four entirely new design iterations focused on quickly communicating the value proposition of automatically generated quizzes/flashcards
- Doubled the SEO Lighthouse score and subsequently increased new web app traffic by about 4,000 users/month to increase mobile responsiveness, fix performance bugs, and develop major improvements to site speed with Next.js

FinX

July 2020 – September 2020

Software Engineer - Full Stack

Virginia Beach, VA/U.S. (Remote)

- Accomplished a 32% higher user 3-week retention rate by developing user experience updates (helpful avatar, interactive services comparison, chat bot, etc.) to the company's financial services web app with React, Tailwind CSS, and Node.js
- Implemented a stock news sentiment analysis model (created with Python and nltk) into the company research component and a daily finance question poll functionality for 10,000+ mobile app users using React Native

PROJECTS

TradeView

May 2020 - September 2020

Python, HTML, JavaScript, Flask, Heroku

- Engineered an interactive web app with 2,500+ DAU that displays hundreds of live stock market metrics and signals

Quantitative Finance

March 2020 - September 2020

Python, Pandas, NumPy, Matplotlib

- Sole contributor to GitHub repository with 250+ financial engineering Python programs (400+ Stars, 100+ Forks)

CookBookCV

July 2020

Swift, Python, OpenCV, NumPy, Flask

- Built a mobile app that allows users to take a picture of their groceries and get recommended recipes within 6 seconds

SKILLS & INTERESTS

Languages

Python, JavaScript, TypeScript, SQL, Golang, HTML, CSS

Technologies

React, Node.js, Express.js, Next.js, Bootstrap, jQuery, Flask, Django, Streamlit, Pandas
Matplotlib, NumPy, Scipy, Selenium, BeautifulSoup, Scikit-Learn, TensorFlow, SQLite

Software

Git/GitHub, Heroku, Postman, MongoDB, MySQL, Firebase, Figma

Interests

Basketball, Investing, Anime, Hip-Hop, Startups, Writing, Reading, Podcasts (HIBT, Acquired)