

Jackson Davis

Software Engineer

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An innovative and dedicated software engineer with a proven record of successful school and personal projects that teachers and clients loved using. Seeking to leverage my programming and debugging skills to improve application scalability, reliability, usability, and better my career in software engineering.

EDUCATION

Salem State University | Salem, MA

Bachelor of Computer Science Degree

May 2023

- 3.7 GPA, Dean's List

SKILLS

Languages

- Java, Python, JavaScript, SQL, C#, React

Tools

- Rest API, Postman, MS Visual Studio Code, MySql, Eclipse, Raspberry Pi, Spyder, MS Word, MS PowerPoint, MS Excel, phpMyAdmin, Jupyter Notebook, Oracle VM VirtualBox, JavaFX, Git, MongoDB, Express, Node.js, Django, Flask, Docker, Unity, Linux, AWS, HTML5, CSS

Strengths

- Writing tested code that meets requirements, problem-solving, team collaboration, prioritizing tasks, communicating, quickly learning new skills.

EXPERIENCE/PROJECTS

Littelfuse Inc. | Beverly, MA

Jun. 2019 to Present

Facilities

- Maintained computers using Windows OS.
- Worked in a team environment and helped other colleagues complete tasks.
- Consistently completed tasks on or before the due date with thought-out ideas.
- Helped with daily facilities' tasks including carpentry, electrical, and plumbing.

Daily Fantasy Sports App | Personal Project

Jun. 2022 to Present

Software Developer/Data Scientist

- Design and implemented an app for gathering player information from a variety of different fantasy sports websites and official sports websites like the NBA, it's being hosted using Netlify and Render.
- The user can use an optimizer to come up with the best possible sport lineups to use on websites like FanDuel and DraftKings. The user is also able to download all sportsbook information from DraftKings for the NBA.
- This app helped increase user's win rates in fantasy and increased user's account balances by over 400%!
- Technology: **MongoDB, Python (Pandas, PuLP, FastAPI), React (MUI), JavaScript**

Personal Trading Report App | Personal Project

Sept. 2023 to Present

Software Developer/Data Scientist

- Design and implemented an app for Stock and Forex Traders to increase their capital gains, it's being hosted using Netlify and Render.

References Furnished Upon Request.

- The App helped me gain a lot in my personal portfolio by a huge percent. The user can view the COT Report posted weekly, so users can get an advantage while trading and view what the hedge funds are doing.
- The user can estimate their end-of-year total profit by using a compound/investment calculator, based on weeks or days. The user can also use a pip calculator for Forex, to estimate how much they should risk in a trade for good risk management.
- Technology: **Python (Pandas, FastAPI), React (MUI), JavaScript**

Finance App | Capstone Project/Personal Project

Dec. 2022 to May 2023

Software Developer

- Designed and implemented the backend and frontend for a finance app and brought a full web app to life from start to finish.
- Included a fully functional register/login component. Included many budgeting and financial recommendations based on the expenses and transactions that the user inputs into the system based on their expected yearly income.
- Included a Stock page, which had a fully functional Stock Watchlist component and a Stock Portfolio component which gave the user the total profit of when they purchased the stock compared to the price it is today. Included recommendations on which Stock to invest in.
- Technology: **SQL, Express, React (Bootstrap), Node, JavaScript**

Programming Club | Salem State University

Dec. 2022 to May 2023

Teacher/Guide/Software Developer

- Helped new students to Computer Science learn more about programming and the possibilities of creating something awesome. Made the students love the ideas of Computer Science and helped them create a Club Project using the MERN Stack.

Social Media App | Salem State University

Sep. 2022 to Dec. 2022

Team Leader/Software Developer

- Designed and implemented the backend and frontend for a social media app. Worked in a team environment with other students to combine all our services together.
- My service made the user able to follow/unfollow users. Users were also able to remove their own followers as well. All connected with a Frontend using JavaScript and React Components with Backend API, I implemented and designed.
- Technology: **MongoDB, Express, React (Bootstrap), Node, JavaScript**

Self-Driving Raspberry Pi Car | Salem State University

Oct. 2021 to Dec. 2021

Software Developer

- Designed and implemented computer vision software to make a car stop at a stop sign, then continue to drive.
- Implemented algorithms using Canny Edge Detection and finding the color of the stop sign using HSV to detect the stop sign.
- Technology: **Python (NumPy, OpenCV, Threading)**

Frogger | Salem State University

Oct. 2020 to Dec. 2020

Software Developer

- Created a fully interactive Frogger-like game. Implemented an animated endless background. Implemented sprite animation to make objects constantly move across the screen smoothly. Learned simple game design for Frogger to be repetitive and enjoyable.
- The game is currently hosted on a website for users to play the game.
- Technology: **Java**