Arjunvir Sidhu

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TECHNICAL SKILLS

Languages: JavaScript, C/C++, Java, Python, SQL, HTML/CSS
Frameworks and Libraries: React.js, Java Swing, JUnit, Tailwind CSS, Pandas, NumPy, Axios
Tools: Git, Github, RESTful APIs, Linux/UNIX, Valgrind, Figma, Docker

EDUCATION

Bachelor of Computing, Computer Science (Co-op) Sep. 2021 – PRESENT
University of Guelph
- Awarded an entrance scholarship of $3000 and member of the Chess club

PROJECTS

Portfolio Website | JavaScript, React.js, HTML/CSS (2023) github.com/rjnvr/portfolio-website
- Developed a responsive portfolio website, implemented EmailJS API to build an interactive contact form on the web page for convenient contacting
- Leveraged React Hooks and event listeners to create dynamic user experiences, ensuring reliable performance by hosting the website on Hostinger

Stock Trading Bot | Python, Pandas, NumPy (2022) github.com/rjnvr/ibkr-trading-bot
- Designed and developed a successful stock trading bot that leverages Interactive Brokers' TWS API and threading to run simultaneously with bar data collection and execute trades
- Used Pandas and NumPy to manage inbound bar data for trading decisions, resulting in a 0.5 increase in profit factor by implementing additional technical bot logic

Weather App | JavaScript, React.js, Tailwind CSS (2022) github.com/rjnvr/weather-app
- Used OpenWeatherMap's API alongside React hooks to fetch weather info and reactive user input
- Improved the app by implementing Geolocation API to get user's current location and React-Toastify to update user on current operations

Poxédex App | JavaScript, React.js, Axios, HTML/CSS (2022) github.com/rjnvr/pokemon-app
- Developed an app utilizing React hooks to display information on searched Pokémon, fetched through Axios from Poke API
- Stored and managed Pokémon data using React hooks to efficiently showcase information on the app

University Google Chrome Extension | JavaScript, HTML/CSS (2022) github.com/rjnvr/extension
- Built a Google Chrome Extension using a JSON file that bookmarks 5 essential links for students at University of Guelph to increase accessibility and save time
- Designed the user interface using Figma and HTML 5, CSS

Academic Projects:

Tic-Tac-Toe Switch | Java, Java Swing, JUnit (2022)
- Created a GUI which allows the user to play classic tic-tac-toe or numerical tic-tac-toe, allowing the user to import and export games
- Improved code quality by implementing inheritance/interfaces, unit testing and Javadocs

Linux Terminal Twitter | C, Linux, Makefile (2022)
- Created a twitter like app which uses a linked list and dynamic memory allocation to store tweets in a Linux environment
- Improved the app by allowing user to import, export and sort tweets using Merge Sort and Valgrind to check for memory leaks

WORK EXPERIENCE

Screener/Front Desk May 2020 - PRESENT
Schlegel Villages *Mississauga, ON*
- Handling various difficult customer interactions and achieving satisfaction on both sides by being able to discover and solve the client's needs
- Interacted with a database on a daily basis to keep client's screening and testing information/visitation history