Manraj Gill

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SKILLS

LANGUAGES
Python • Typescript • Javascript • HTML/CSS
Rust • Java • C • TailwindCSS

TECHNOLOGIES
Git • Docker • Linux • Prisma • REST API
PostgreSQL • Vercel • Pandas

FRAMEWORKS
ReactJS • Flask • Django • NodeJS • NextJS

EXPERIENCE

BMO | SOFTWARE DEVELOPER
Sep 2022 – Dec 2022 | Remote

- Assisted in the development of a Flask web application to completely re-architect operational risk management calculations
- Implemented robust validation features for 6 different types of financial data files and templates
- Played a pivotal role in documenting the application, ensuring comprehensive project knowledge
- Assisted in debugging and troubleshooting, contributing to improved performance and seamless functionality of the web application

CITY OF WINDSOR | DATA MANAGEMENT
Jan 2021 – Aug 2021 | Windsor, ON

- Worked with a team to manage asset data collection of over 200 parks in Windsor
- Verified and updated over 4000 assets using Citywide Software and Geode
- Planned the sequencing of data collection in over 150 parks which increased the rate of collection by nearly 50%

PROJECTS

PEDESTAL

- A feature-rich web application using Next.js and TypeScript that empowers users to effortlessly create and showcase their projects.
- Used Next.js to build a highly performant and scalable application with server-side rendering capabilities, providing a smooth user experience
- Integrated Prisma, along with PostgreSQL to efficiently store and manage user-generated content, including project information and user profiles.

SORTING ALGORITHM VISUALIZER

- Developed a web application using JavaScript that provides a visual demonstration of various sorting algorithms using ChartJS
- Implemented code tracing, enabling users to track the execution of the sorting algorithm steps
- Optimized the application for performance, ensuring smooth and efficient sorting animations even for large arrays

EDUCATION

UNIVERSITY OF WINDSOR | B.C.S IN COMPUTER SCIENCE (HONOURS)
September 2018 - April 2023 | Windsor, ON