John Kyle Siat

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TECHNICAL SKILLS

Languages: Python, HTML, CSS, JavaScript/TypeScript, SQL, Java, C#, R Programming, PHP
Frameworks/Libraries: React, Jest, Django and Django REST Framework, Tailwind CSS, Node.js, Express.js, jQuery, pandas, NumPy
Developer Tools: Jupyter, M365, G Suite, VS Code, MySQL, GitHub, Git, RStudio, Tableau
Data Analysis: Data Cleaning, Sorting, Filtering, Merging, Formulas and Functions, Data Visualization

EDUCATION

University of Winnipeg   Winnipeg, MB
BSc in Applied Computer Science (Specialization in Scientific Computing)   *April 2024*
Dean's Honour List – Student of Distinction (2023 – 2024)

Google Data Analytics Professional Certificate   *Feb. 2025*
Meta Back-End Specialization Certificate   *June 2024*
Meta Front-End Specialization Certificate   *May 2024*

EXPERIENCE

Software Developer Intern   Nov. 2024 – Apr. 2024
PolySense Solutions Inc.   *Remote*

- Initiated the floor plan design using Figma to ensure consistency with the company's overall UI standards
- Designed and implemented a web-based floorplan application with the use of HTML, CSS, JavaScript and jQuery/jQuery UI
- Integrated the use of the jQuery and jQuery UI library using DOM/element manipulation, dragging, hover, on-click, API calls, etc.
- Tailored the application using base CSS, with most of the styling is implemented through Tailwind CSS keeping in mind the responsiveness of the application for both mobile and computer screen sizes
- Utilized company's API to simulate floor plans using the SwiperJS for moving floors, consisting of spaces and assets within the floor, where spaces are a type of asset that is connected to an area of the floor that has its respective temperature and humidity variable

Quality Control Specialist / Secondary Programmer   Sept. 2022 – Apr. 2023
University of Winnipeg   *Winnipeg, MB*

- Tasked with building an Inventory Management System, sponsored by the Dean of the Applied Computer Science Department
- Led a team of 5 in quality assurance, ensuring that the Agile standards are met and coordinating code reviews with the project team
- Developed login authentication with Active Directory, achieving 100% success on all authorized and authenticated logins
- Designed a responsive login page which connects to the university's database with Microsoft Azure's cloud services
- Worked with Project and Tech Lead on task assignments to facilitate the work distribution, and tracking 400+ project team hours

PROJECTS

Little Lemon Full Stack Website | *HTML, CSS, JavaScript, Django, DRF, MySQL* | GitHub | Link   *May – June 2024*

- Built a full-stack webpage to simulate a mock restaurant-style website's home, about, menu, and reservation page
- Developed the front end of Little Lemon using HTML, CSS, and JavaScript, while also utilizing semantic tags to align with the website's content and improve its search engine optimization.
- Designed the back end of the website in Django using models to state the information of each page, views to return the page's response, and forms to implement the BookingForm of the reservation system.
- Implemented MySQL through PythonAnywhere to keep track of online reservation times with its respective date ensuring that each date and time combination is a unique reservation slot.

Currency/Crypto Converter | *HTML, CSS, JavaScript, React.js, API* | GitHub | Link   *Oct. 2024*

- Developed in React with the use of useState hooks to handle state management between the currencies and input given by the user.
- Implemented useEffect hooks to fetch API calls, initialize states, and return the currency exchange rates back to the application.
- Created a react component receiving the props, handling their states, sied displaying the different currency options given in the API.
- Implemented useMemo and useCallback to avoid re-renders, improve performance, and cache the calculations for efficiency.