Wang, Ching-wei (Dylan)

+1 (437) 989-5888 | dwang.bio | dc.wang547@gmail.com | github.com/dwang134 | linkedin.com/in/ching-wei

Technical Skills

- **Programming Languages**: Bash, Javascript, Typescript, Python, Java, C++, HTML/CSS, SQL
- **Frameworks/ Technologies**: NextJS, ExpressJS, SpringBoot, Styled-components, Redux Toolkit, ReactJS, NodeJS, SASS, ChakraUI, TailwindCSS, Jest, Cypress, Postman, AWS
- **Databases**: MySQL, PostgreSQL, Oracle, MongoDB
- **Version Control Tools**: GitHub

Education

Computer Science   Sep 2018 - May 2021
Seneca College of Applied Arts and Technology, Toronto, ON

- **Relevant Knowledge**: Operating systems, Database and web technology, Data communication, Security, System methodologies, Internet client and server-side development, Database system design and maintenance

Udemy   July 2021 - Dec 2022
Online course learning platform

- **Relevant Knowledge**: Javascript Algorithm and Data Structure Masterclass, Complete 2023 Web Development Bootcamp, Complete Python Programming Course: Beginner to Advanced, Complete SQL Bootcamp: Zero to Hero, Complete React Developer in 2023 (w/ Redux, Hooks, GraphQL)

Database Analyst   Sep 2023 - TBD
Seneca College of Applied Arts and Technology, Toronto, ON

Projects

GamesTech | Next.js, Typescript, SASS | https://games-tech.vercel.app

- Designed and built a full-responsive modern website that displays the latest games and technology-related news, trailers, and top stories of the day
- Pre-rendered HTML page from API data using NextJS SSR method. Implemented infinite scrolling using React useRef, useCallback hooks, and useEffect to update state dynamically.
- Optimized CSS consistency and modularity with SASS built-in features like @mixin, @use, and @extend and followed BEM naming convention to reduce scoping ambiguity

TellMe | PostgresSQL, Next.js, Express, Redux| https://tell-me-frontend.vercel.app

- Created a PERN stack application that allows users to register, login, and manage their expenses of different categories; savings, investments, and spending
- Used RTK query to optimize performance with caching, JWT authentication for user logins
- Built the backend server using PostgreSQL, designed schema, and implemented MVC design pattern to handle REST API calls from the frontend

Notable | React, Typescript, ChakraUI | https://notablee.vercel.app

- Developed a Markdown note-taking app that allows users to create, and edit notes and tags or filter notes by titles and tag labels
- Implemented ContextAPI to store react state hooks and predefined types based on the data model required to cover the scope of the project
- Assigned LocalStorage template function to store note and tag states and call specified key types based on the parameter to make updates when necessary

Extracurricular

- **Hack the Valley 6 Hackathon**: Developed a meal planning app to track daily/weekly macronutrients and grocery list shopping focused on the Health category in React-Native