Vicki Wong

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TECHNICAL SKILLS

Front End | JavaScript (ES6), TypeScript, React, React Native, HTML5, CSS, Bootstrap, Material UI, GraphQL
Back End | Node.js, Express, NoSQL, SQL, REST APIs, NginX, MongoDB, MySQL, Postgres / PostgreSQL
Testing/Deployment | Jest, Mocha, Chai, Amazon Web Services / AWS EC2, K6, Artillery, Loader.io
Developer Tools | Vim, Git, npm, Webpack, Babel, Agile Methodology, Nodemon, TDD

SOFTWARE ENGINEERING EXPERIENCE

Software Engineer | Dottid: SaaS real estate asset management platform   Dec 2022 - Nov 2023
- Enhanced the web and mobile platform through full stack feature development, testing, and bug fixes
- Revamped the web and mobile platform to boost platform visibility and optimize UI real estate, resulting in a more efficient user experience, using **React**, **React Native**, **Storybook**, and **Material UI** to refactor and optimize platform tables
- Enhanced front-end codebase with **TypeScript** and **GraphQL** types, reducing bugs and saving development time.
- Architected complex calculations and functions for unit conversion, rent scheduling, and imports/exports with CSV files, optimizing data processing using **Sequelize and SQL**
- Transformed an existing client chat box into a cutting-edge **AI** chatbot, ushering in advanced AI capabilities to empower the business
- Awarded the **Dottid Ladies Quarter Award** in recognition of high productivity and technical excellence

SOFTWARE ENGINEERING APPLICATIONS

Full Stack Engineer | Old School: A video and blog sharing platform for the elderly | *Github Repo Link*   2022
- Created an accessible user experience for an older target audience on a responsive app using **Javascript**, **Bootstrap**, **CSS**, and **Styled Components**
- Utilized Cloudinary and **MongoDB** to streamline and store video uploads from multiple sources
- Designed an admin service using **React** and **EmailJS** to manage videos and comments flagged by other users and notify them through email when their content has been removed

Full Stack Software Engineer | PokéQuiz | *Github Repo Link*   2022
- Designed and built an MVP project using **React, PostgreSQL**, and **Material UI** in 48 hours to increase student engagement in assessments using an external **APIs** and storing scores with **PostgreSQL**
- Utilized **Auth0** authentication to facilitate user login through their Google accounts

Full Stack / Front end Engineer | e-commerce UI Redesign| *Github Repo Link*   2022
- Architected the front end to display product information, photos in a carousel, and related products using **React, Styled Components,** and **Flexbox** to deliver a user-friendly experience with modularized components
- Backed the front-end service with **RESTful API** backend and an **Express** server to deliver static site content while protecting the privacy of API tokens
- Deployed an **AWS** EC2 instance and persisted a user-customized outfit list using user-local data storage

Back-End Engineer | e-commerce UI Redesign| *Github Repo Link*   2022
- Reduced a monolithic, legacy server architecture into a **microservice architecture** to improve scalability
- Utilized horizontal scaling practices (**AWS**, **Nginx**) to increase load capacity up to **1000 requests per second**
- Optimized **PostgreSQL** queries and server architecture with an avg r**esponse time of 8ms** and **0% error rate**

OTHER EXPERIENCE

Frisco ISD | PreAP/AP Biology Teacher   2019-2022

- Achieved a 91% student pass rate of above average scores on the AP Biology Exam with a combined 3.8 average compared to the 2.8 Texas average
- Designed lessons in the biology curriculum to promote engagement and innovative technology use

EDUCATION

Hack Reactor | Advanced Software Engineering Certificate   2022
Southern Methodist University | Master's in Education - GPA: 4.0   2018-2019
Southern Methodist University | BS in Biology, Minor in Business Administration and Chinese.   2014-2018
- Relevant Courses: Information Technology and Operations Management
- Summa cum laude, Phi Beta Kappa, Dedman College Honor Roll with Distinction - GPA: 3.9
Texas Academy of Mathematics and Science | *Early college residential program*   2012-2014