

Erick Watanabe

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TECHNICAL SKILLS

Programming Languages | JavaScript ES6+, Python 3, TypeScript, SQL, HTML5, CSS

Front-End | React, Next.js, React Hooks, Redux Toolkit, DOM manipulation

Back-End | Django 4, PostgreSQL, MongoDB, FastAPI, RabbitMQ

System Design | Microservices, Domain-driven design, Message passing, Data synchronization

PROFESSIONAL EXPERIENCE

Valter Tennis | Full Stack Engineer Contractor | [Link](#) | *Next.js, Firebase, TypeScript* 2024 - current

- Enhanced search engine optimization (SEO) by applying correct HTML tags, resulting in an 85% increase in website traffic originating from Google searches
- Created a responsive main navigation bar for the website, ensuring seamless functionality across devices, which led to a 54% increase in clients accessing the site through mobile browsers
- Implemented accessibility features including proper HTML tags, a SkipLink, and full keyboard navigation support.

Loyola Marymount University | Visiting Assistant Professor of Physics 2017 - 2021

- Taught a variety of courses: Introduction to Mechanics, General Physics I & II, College Algebra, Pre-Calculus, and Quantitative Skills in the Modern World
- Adapted curricula for both synchronous and asynchronous learning environments, utilizing technology and interactive resources to facilitate effective remote instruction
- Employed a student-centered approach, fostering a collaborative and inclusive classroom environment, encouraging critical thinking, and promoting active participation

APPLICATION DEVELOPMENT EXPERIENCE

Animos | Software Engineer | [Repo Link](#) | *Javascript, React, Python 3, FastAPI, Mongodb* 2023

Single-page application allowing users to create and attend pet friendly events

- Built the EventsList component to display the current state of events using **React's Redux** global state management
- Wrote the delete method for events in Mongodb by using multiple methods to query collections to ensure data was clean
- Synchronized the events and location data in React and js to ensure events are accurately rendered

DealerSys | Software Engineer | [Repo Link](#) | *React, Javascript, Python 3, Django, PostgreSQL* 2023

single-page application that keeps track of a car dealership's inventory, sales, and services

- Implemented service record microservice using **React, Javascript, and React Hooks** for users to create appointments, which immediately updates the appointment list and service history
- Created filtering methods using for real-time data to display service appointments based on VINs and appointment status with polling
- Built fetching method to dynamically and efficiently handle different parameters to simplify code

EDUCATION

Hack Reactor | Advanced Software Engineering Certificate 2023

California State University Long Beach | M.A. Experimental Physics 2016

The University of California, Merced | B.A. Physics 2011