

Herman Wong

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OBJECTIVE

A Full Stack Engineer position.

SKILLS

- **Web Development:** ReactJS, Redux, JavaScript (ES6+), TypeScript, MongoDB, PostgreSQL, HTML5, CSS3, Webpack 4, Apollo, GraphQL
- **Data Analysis & Computations:** Python, Pandas, MATLAB
- **General:** Git, MS Word, MS Excel, MS PowerPoint, MS Project, MS Visio, G-Suite (Google)

RELEVANT EXPERIENCE

c0d3.com – *Software Engineer*

October 2019 - Present

Platform that helps users learn how to code through peer to peer teaching and become software engineers through group projects

- [New repository](#) - rebuilding the codebase moving to Next.JS
 - Implemented Landing Page using Next.JS
 - Setup initial repository with Husky, TypeScript, ESLint, Prettier, and NextJS..
- [MyProxy](#) - An application that helps users quickly setup their domains and serve SSL certificates.
 - Added support for AWS and Google Cloud before launch to validate the most popular cloud providers are supported
 - Wrote middleware to handle authentication via cookies and access tokens.
 - Added key-value in-memory caching to speed up SSL certificate and domain information queries.
 - Added ability to view, download and clear user logs. A feature users needed to debug their applications.
 - Helped onboard myProxy's first two client installations: c0d3.com and themindfulpug.com

PROJECTS

[Kanban Board](#) - A website that allows users to track changes in a Kanban Board.

- Implemented Interface with React. Create-React-App was used as the bootstrapper.
- Implemented Drag and Drop Interface using React-Beautiful-Dnd.
- Implemented Stage Logic Using React Hooks and saved into Local Storage

[React Map](#) - An application that lets users create, update and delete posts that are only viewable in their city.

- Developed with MERN stack and Redux.
- Implemented NoSQL database using MongoDB with Mongoose.
- Implement Google Maps API to filter posts within the same zip code.
- Front End UI uses React-Material library.

OTHER EXPERIENCE

Onto Innovations (Formerly Nanometrics). – *Manufacturing Engineer*

March 2014 - Present

- Update test scripts for wafer motion control stage to reduce the number of invalid failures by 30%.
- Collaborate with Manufacturing, Quality, and Research and Development (R&D) to troubleshoot issues affecting Field Service or Manufacturing.
- Develop tooling/fixtures for manufacturing process improvement.
- Create documentation for manufacturing assembly and testing.

EDUCATION AND CERTIFICATIONS

Bachelor of Science in Mechanical Engineering

California State University, Sacramento

August 2009 – December 2013

