

# TREVOR JON PEREZ

## SUMMARY

**Software Engineer** particularly interested in **Security**, **Web Development**, and **App Development**, and, most importantly, the **troubleshooting aspect** of each of these. Obsessed with high-quality technical documentation.

## PROFESSIONAL EXPERIENCE

### University of California, San Diego - ITS

*Back End Web Developer Intern*

**October 2018 – Present**

- Implemented a dynamic crud interface that allowed an admin to update information that was organized using HTML tables and dynamically generated using vanilla javascript. Backend functionality was handled using php and the zend framework. MVC principles were used.
- Optimized front-end efficiency using the RAIL model to ensure a good user experience
- Worked on multiple projects with a team of backend engineers and QA from planning to website launch
- Upgraded systems application for maximum speed and scalability by converting various applications to be data based driven by as much as 30%.
- Designed Zend framework (PHP) based web applications using MVC principles linked with highly scaleable database interactions using MYSQL.

### BlueShield of California

*Front End Web Developer Intern*

**June 2018 – September 2018**

- Developed a web application that was both functional and appealing with the Vue.js framework
- Participated in the full development lifecycle, including ideation, architecture, design, development, testing, release, and operation
- Performed unit and end-to-end testing with Jest / Nightwatch
- Work closely with Product Owners, Analysts and QA in an Agile environment to ensure quality, security and maintenance of web application, and to ensure code meets development standards and guidelines

## PROJECTS

### Food Recipe React Web App

Developed a React driven web application for a school project in which I was responsible for implementing page routing with React Router, Front end design with Material Design, and database storage in real time using Firebase.

### Javascript Error Application

Developed a Vanilla Javascript error tracking application that uses ChartJs and GridJs to clearly display performance data on the users end. The entire firebase stack is implemented to handle authentication, store users data using firestore, and functions to call a tracking script to gather data. Authentication roles is also used to implement admin based functionality

- Demo: [cse135-hw5.web.app/](https://cse135-hw5.web.app/)

## EDUCATION

### University of California, San Diego

**October 2018 – June 2020**

*Bachelors of Science in Computer Science*

## Courses

*Advanced Data Structures*  
*Computer Architecture*

*Algorithms*  
*Web Client Languages*

*Software Engineering*  
*Database System Principles*

## SKILLS / KEYWORDS

**Testing:** JUnit, Nightwatch

**Backend:** Zend Framework (PHP), Express(NodeJS), Firebase Functions(NodeJS)

**Frontend:** Vanilla JS, Vue.js,, Knockout JS, React, jQuery

**Databases:** MySQL, Firebase Firestore

**General-Purpose Programming Languages:** C, C++, Python