

# Vivian Ngoc Che

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[Portfolio](#)

[LinkedIn](#)

[Github.com](#)

## LANGUAGES & SKILLS

**Front-end:** JavaScript | React / Redux | HTML5 | CSS3 | Pug.js | Jinja

**Back-end:** SQL | Python | Flask | Sequelize | Node.js | PostgreSQL

**Frameworks/Tools:** Docker | AWS | Git | Express.js

**Other:** Heroku

## PROJECTS

**Reflect** | Python, Flask, SQLAlchemy, React, Redux, Docker

[Live Site](#) | [Github](#)

*A journaling app within the mental health space inspired by positive psychology research*

- Applied **React States** and conditional **CSS** to portray movements during state changes to create a feel of a **dynamic UI** and a smooth user experience.
- Created multiple full **CRUD** operations for users journals, entries, and journaling progress.
- Designed complex routes with **python flask back-end** allowing users' information to be saved across multiple pages.
- Developed **Responsive Web Design** for user dashboards by exploring **CSS** layout solutions flex, grid, and multicolumns.

**Sneax** | Python, Flask, SQLAlchemy, React, Redux, Docker

[Live Site](#) | [Github](#)

*A shoe stocks trading app inspired by Robinhood*

- Collaborated with a small team, utilizing **Github** workflow to simultaneously work on multiple features while adhering to a strict delivery timeline.
- Launched stock transactions feature by assembling **Flask-SQLAlchemy** on the backend using **Python** and **React Hooks** on the frontend to fetch and update user stock transactions efficiently.
- Showcased **React Hooks** and **Redux** proficiency by creating a responsive, seamless, single-page application.

**Touristr** | Javascript, React, Redux, Node.js, Express, PostgreSQL, Sequelize, AWS3

[Live Site](#) | [Github](#)

*A location photo sharing app inspired by Flickr*

- Designed **REST API** and engineered **PostgreSQL** relational database backend with **Express/Node**
- Utilized the **Redux** store to render, edit, and remove photos and comments dynamically and asynchronously.
- Showcased **React Hooks** and by creating a responsive, seamless, single-page application.
- Incorporated image uploader with thumbnail preview and loading bar using **Amazon AWS S3** to host images.

**PetClinic** | Javascript, Node.js, Express, PostgreSQL, Sequelize, Pug

[Live Site](#) | [Github](#)

*An app that connects users with professional medicine to answer animal related questions*

- Secured user information through authentication, utilizing Auth Routes and bcrypt for hashed passwords allowing users to have access to data based on roles and permissions also preventing CSRF attack
- Utilized the **Redux** store to render, edit, and remove photos and comments dynamically and asynchronously.
- Implemented **AJAX** for dynamic voting and **CRUD functionality** for questions and answers
- Incorporated **custom error handling** and **validations** using Sequelize ORM to let the user know if they've put in a bad input

## EDUCATION

**App Academy - Full Stack Software Development**

**Feb 2021 - Sept 2021**

- Rigorous 1000+ hour full-stack software development program with <3% acceptance rate.
- Relevant coursework: Object oriented programming (OOP), test-driven development (TDD), coding best practices, REST, Agile/SCRUM methodologies, Systems Design & Architecture, Data Structures, Algorithms

**San Jose State University - Bachelor of Arts, Psychology**

**Graduation: 2019**

## ADDITIONAL EXPERIENCE & LEADERSHIP

**Nursing Assistant - Valley Health Rehab**

**June 2018 - May 2019**

- Prioritized responsibilities and collaborated with other nurses in a fast-paced environment to provide quality patient care.
- Implemented new technology to replace the paper process by curating digitized schedules to organize patients' information and ensure smooth communication with the healthcare team on patients' statuses.
- Provided behavioral and emotional support and companionship for > 40 residents and complied with patients' confidentiality and privacy standards in order to.