

# HIEP KHUU

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[PORTFOLIO](#)

[GITHUB](#)

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## SKILLS

Javascript, Python, ES6, HTML5, CSS, React.js, Redux, Flask, SQLAlchemy, PostgreSQL, jQuery, Sequelize, SQL, Node.js, Express.js, Docker, Heroku, Git, Ajax, Agile Methodologies, Unit testing

## PROJECTS

**HabitHub** (Python, Javascript, ReactJS, Flask, SQLAlchemy, HTML/CSS)

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

*An app where users can develop habits and unlock rewards based on their progress.*

- Constructed a method for calculating rewards in percentages and designed progress bars to help users better visualize their progress.
- Reduced multiple queries for weekly logs into a single query to improve data fetching.
- Implemented **React Hooks** for dynamic components and multiple libraries including **moment.js** to improve the readability of dates.

**Landscapr** (Javascript, ReactJS, Express, PostgreSQL, HTML, CSS, Heroku)

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

*An app where users upload photos and comment on others' photos.*

- Generated back-end programming using **REST APIs** and **PostgreSQL** relational database backend with **Express/NodeJS**, allowing for efficient **CRUD operations** for photos, albums, and comments.
- Implemented **CSRF** attack prevention and **validation forms** for data restriction; protected user information and provided authentication.
- Utilized the **Redux** store to render, edit, and remove photos and comments dynamically and asynchronously.

**PetClinic** (Javascript, PUG, Express, PostgreSQL, HTML, CSS, Heroku)

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

*An advice app connecting medical professionals with pet owners.*

- Worked across the agile development lifecycle with 3 developers to build and maintain code as well as diagnose, troubleshoot, and resolve major bugs.
- Contributed to database design and corresponding **API routes**, using **Sequelize** and **Express**, to attach unique comments and upvotes to each question/answer pair and expand core functionality.
- Implemented front-end programming with react components for **responsive web design** with CSS layout solutions flex, grid, and multicolumns.

## EDUCATION

**App Academy**

**Jan 2020 - Aug 2021**

*Full-stack web development*

- 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**

**Graduation: Aug 2015 - Dec 2020**

*Bachelor of Science in Business Administration, Management*

## ADDITIONAL EXPERIENCE

**HK General Construction Inc**

San Jose, CA

*Assistant Project Manager*

**Aug 2017 - Feb 2021**

- Conducted research on project resources including sourcing of subcontractors and materials suppliers resulting in additional cost-saving benefits up to \$5,000 per project.
- Led the transition to a paperless practice by implementing an electronic system allowing for digitized schedules and documentation and introduced video conferencing during the coronavirus pandemic to improve business processes.
- Revamped budgeting, contracts, and cost estimation templates to improve processing time by half.
- Leveraged expertise for creating 3D drafts and understanding building codes to further support clients and help them navigate the construction process.

**Flex College Prep**

Cupertino, CA

*Administrative Intern*

**Aug 2015 - Aug 2017**

- Implemented office-wide organization of files, spreadsheets, and reports.
- Developed an SOP for daily operations to support and train incoming interns.