

HIEP KHUU

Software Engineer

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Location: San Jose, CA
[PORTFOLIO](#) - [GITHUB](#) - [LINKEDIN](#)

Relevant Projects

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

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

Where users can develop habits and unlock rewards based on their progress.

- Constructed an **algorithm** for calculating rewards in percentages. Helped users better visualize their progress.
- Organized and improved multiple **queries** for weekly logs into a single query for efficient data fetching.
- Dynamically use **React Hooks** on a single dashboard page and **date libraries** to improve readability of dates.
- Provided maintenance of code by eliminating 100% of bugs.

Landscapr (JavaScript, ReactJS, Express, PostgreSQL, HTML/CSS)

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

Where users may upload photos and comment on others' photos.

- Implemented **CSRF attack prevention** and **validation forms** for data restrictions, protecting user information and authentication.
- Successfully generated back-end programming use **REST API** and **PostgreSQL** relational database with **Express/NodeJS**, allowing for smooth **CRUD** operations for photos, albums, and comments.
- Research and implementation of **AWS** for ease of photo uploading.

PetClinic (JavaScript, PUG, Express, PostgreSQL, HTML/CSS)

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

An advice column connecting professionals with pet owners.

- Provided leadership and support in all phases of application such as analysis, design, development and testing to ensure best coding practices.
- Designed corresponding API routes using **Sequelize** and **Express** to attach unique comments and upvotes to each questions/answer pair and expand core functionality.
- Implemented **responsive web design** and advanced **CSS** workflows.

Professional Experience

Assistant Project Manager

Aug 2017 – Feb 2021

HK General Construction Inc

- Conducted research and gathered key information for use in projects and provided cost-saving benefits up to 10% per project.
- Managed and improved company's technical process by developing a system for electronic submittals and documentation during COVID-19.
- Demonstrated expertise for creating 3D designs and understanding building codes to support clients.
- Coordinated engineering, design, and shop drawing efforts.
- Reviewed documentation to verify conformance with established project criteria.
- Provided outstanding service and facilitated communication to all involved parties to promote effective and ongoing business relationships.
- Gathered requirements for ongoing projects and organized details for management use.

Administrative Intern

Aug 2015 – Aug 2017

Flex College Prep

- Analyzed protocols and identified areas for improvement to maximize productivity.
- Implemented office-wide organization of files, spreadsheets, and reports.
- Developed an SOP for daily operations to support and train incoming interns.

Skills

JavaScript (NodeJS, Express, ReactJS, jQuery)
SQL (MySQL, PostgreSQL, SQLAlchemy)
HTML5/CSS
Python (Flask)
AWS
Docker, Git, Heroku
Agile/SCRUM
Bug/Vulnerability testing
Teamwork
Problem Solving

Education

App Academy

Full Stack Development

(Graduated Aug 2021)

Relevant Coursework:

Object oriented programming (OOP),
Test-driven development (TDD),
REST API,
Agile/SCRUM methodologies,
Systems Design & Architecture,
Data Structure/Algorithms

San Jose State University

Bachelor of Science, Business

Administration, Concentration in Management

(Graduated Dec 2020)