

# SIMON TAN

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GitHub: [github.com/SimonMTan](https://github.com/SimonMTan)

Portfolio: [simonmtan.github.io/](https://simonmtan.github.io/)

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## EDUCATION

Full Stack Web Development Bootcamp, App Academy

Dec 2022

Bachelor of Arts | Business Economic, University of California, Riverside

June 2016

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## TECHNICAL SKILLS

- **Proficient:** JavaScript, TypeScript, Python, React, Node.js, Express, SQL, PostgreSQL, SQLite, Bootstrap
- **Exposure:** GraphQL, Jest, StoryBook, Git, Heroku, HTML5, CSS3, Flask, FastAPI, Sequelize, SQLAlchemy

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## PROJECT WORK

BobaX | [Live URL](#) | [Code URL](#)

Current

*A modern boba ordering app designed with the functionality to order your favorite delicious drinks*

- Optimized data management in a complex web application, using GraphQL for API calls, creating the ability to reduce network traffic by **90%** while improving scalability.
- Created a **responsive design** and consistent UX across all devices, by using React and React **Bootstraps** creating the capability to improve accessibility, enabling **25%** increase in mobile traffic, a projected **20%** decrease in bounce rate.

HomieList | [Live URL](#) | [Code URL](#)

Nov 2022

*A Facebook-inspired social networking platform that serves as a hub for connecting friends from all over the world.*

- Designed a Python Backend server with **RESTful API** architecture using **Flask** and **SQLAlchemy** offering more than **10 CRUD-enabled** endpoints while maintaining a clean **MVC structure**.
- Completed 4 complete CRUD features within a 3 week period, meeting project deadlines.
- Leveraged a combination of **Waterfall** and **Agile** Methodologies to lead the successful deployment of post, like, and comment features, resulting in a **25%** decrease in bug reports.

Ingenious | [Live URL](#) | [Code URL](#)

Oct 2022

*A Genius-inspired platform offering concise musical knowledge and allows users to annotate and interpret song lyrics.*

- Collaborated with a team of **3** engineers using **GitHub's** version control system to develop and integrate a voting feature for annotation using React, Flask, and PostgreSQL, projecting a 25% improvement in user engagement and a **30%** increase in user satisfaction.
- Achieved industry-level proficiency in **Scrum** methodology, leading to a 20% increase in team productivity and a 15% reduction in project delivery time.

i\_BnB | [Live URL](#) | [Code URL](#)

Sept 2022

*An AirBnB clone that enables users to search and book unique accommodations worldwide.*

- Enhanced the user experience by offering clear and concise instructions on form validation as well as implementing a user authentication system with **secure password hashing** using Bcrypt.
- Utilized **Redux** to optimize the management of information in React components and using DRY methodology, resulting in a 30% reduction in code complexity, improved scalability of the single-page application, and a 20% increase in development speed.
- Developed, and tested RESTful API on CRUD Endpoints using Express.js server, resulting in more than 35% improvement in system efficiency, a 99.9% uptime rate, and a 95% reduction in reported bugs.

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## RELEVANT EXPERIENCE

SAMTRANS | Accountant | San Carlos

May 2017 - Sep 2021

- Processed **80** check applications from public transportation customers using the PeopleSoft platform as well as Advanced Excel, leading to a **10%** annual increase in progress towards goal.
- Implemented a new Enterprise Resource Planning system by working cross-functionally with the marketing, real estate, and customer service departments, leading to a 20% increase in efficiency and a 50% reduction in errors.