

## Andrew Huang

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### Technical Skills

**Programming:** Javascript, Python 3, CSS, HTML5,

**Front-End:** React, JSX, Bootstrap, DOM Manipulation

**Back-End:** Django, PostgreSQL, RabbitMQ

**System Design:** Docker, Monoliths, Microservices, Domain-driven design,

### Application Development Experience

**Source** - Co-developer - [link](#)

Social media website that one can create posts, add friends, create marketplace posts, with other UI and functional features, much like a Facebook.

- Created data tables using PostgreSQL, used FastAPI and Pydantic to build the backend routes and queries, used React and JSX to build the front-end, and wrote unit tests to test the endpoints of the application.
- Implemented back-end authentication with JWTdown-FastAPI
- Deployed project with GitLab
- Developed user login, logout, user Profile pages, and logic for passing users into the React components

**CarCar** - Co-developer - [link](#) 2023

Developed a web application using React.js and RESTful APIs for a robust, user-friendly experience.

- Utilized Restful APIs to fetch and update data from the backend server, ensuring smooth data flow and real-time updates.
- Created filter functions and search fields with React to filter data based on the search query.
- Implemented Bootstrap classes to stylize the front-end of forms, lists, buttons and more for a visually appealing UI
- Planned project design with drawings for better visualization and reviewed with group partners.

**TaskTracker** - [link](#) 2023

Developed a task tracker using Bootstrap, HTML and CSS, for front-end display with Python and Django back-end.

- Created login components and a filtering function for your own tasks to the application.
- Created functions to allow users to check off and delete any tasks they've created

**Scrumptious Recipe** - [link](#) 2023

- Designed an appealing webpage using HTML, CSS for improved UI/UX .
- Utilized Python and Django to display a scalable database that empowers users to effortlessly access, customize, and store items to the database.

### Professional Experience

**Hologic** | Quality Specialist 1 2020 - 2021

- Ensured batch records and thus tens of thousands COVID vaccination kits from production lines were documented properly and without error via manual review, catching multiple calculation errors, improper documentation practices and even missing fields on occasion.
- Delivered quality of product and of procedure via bi-monthly inspection of the entire production line and evaluated processes to maximize product quality and production efficiency

**Premier Physical Therapy** | PT assistant 2019

- Guided 100+ patients through their physical therapy rehab.
- Strengthened relationship between patient and doctor by following up with patients to ensure they follow the routine for a speedy recovery and return to health.

### Education

**Hack Reactor**, *Software Engineering Immersive Bootcamp* 2023

**University of California Santa Cruz**, Molecular and Cell Developmental Biology 2020