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Andrew Huang

Software Engineer

## TECHNICAL SKILLS

**Programming Languages** | Python 3, JavaScript ES6+, SQL, HTML5, CSS

**System Design** | Monoliths, Microservices, Domain-driven design, Message passing, Event sourcing

**Back-End** | Django 4, PostgreSQL, MongoDB, RabbitMQ, CI/CD

**Front-End** | DOM manipulation, Websockets, React

## RELEVANT PROJECTS

**Codebook | Full Stack Engineer** | <https://gitlab.com/group-KARJ/module3-project-gamma> | React JS, PostgreSQL, Docker, FastAPI, JWTdown, Pytest, HTML, CSS

Jul '23

*Website where users can*

- Designed data tables and data relationships using PostgreSQL, and FastAPI for structured data tables, models, routes, and queries
- Implemented secure sign-in using JWTdown for FastAPI back-end authentication
- Wrote unit tests with Pytest to test FastAPI, ensuring the production build's integrity when pushing and merging new code into the main branch
- Configured Docker to host the entire application, splitting up the front-end and back-end into separate microservices allowing for scalability and autonomy within each microservice

**CarCar | Full Stack Engineer** | <https://gitlab.com/paarthjoshi00/project-beta> | Python, Django, Insomnia, Docker, React JS Repo

May '23

*Car dealership website where users can browse available cars and book appointments to service their cars*

- Utilized Restful APIs to fetch and update data from the back-end server, ensuring smooth data flow and real-time updates
- Increased VIN and car models search speed by adding search by search query function
- Leveraged Bootstrap classes to stylize the front-end for a visually appealing UI
- Modeled project design using Excalidraw for better visualization with project partner

**TaskTracker | Full Stack Engineer** | <https://gitlab.com/andrewhuang8158/project-alpha-apr> | Python, Django, HTML, CSS, Bootstrap, JS

Mar '23

*Classic task tracker application to add, check off, and view your own and other to-do's*

- Added user sign-in functionality and also a filter function for faster user experience
- Defined functions with Javascript to allow users to create, read, edit, delete any tasks they've created

## PROFESSIONAL EXPERIENCE

**Hologic | Quality Specialist 1**

Dec '21 - Jul '22

- Ensured batch records of 100,000+ COVID testing kits from production lines were properly documented
  - Identified calculation errors, improper documentation and missing fields
- Delivered quality of product and of procedure via bi-monthly inspection of the production line
- Evaluated processes to maximize product quality and production efficiency
- Prevented 1 potential minor finding by reviewing requested documents during audits.

## EDUCATION

**Hack Reactor | Advanced Software Engineering Immersive Program**

Mar '23 - Aug '23

**Galvanize**

**Bachelor of Science (BS), Molecular and Cell Developmental Biology Minor in Economics**

Sep '16 - Dec '20

University of California Santa Cruz