

Danny Zhou

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EXPERIENCE

Morf3D *Software Engineer Intern*

- Practiced full-stack development by developing the company's internal operation system by using Flask, SQLAlchemy, SQL, Webpack, Javascript, HTML, CSS, Git and React daily.
- Generated various components such as live heatmaps of machine utilization by using data from API routes created with Flask and SQLAlchemy, then rendering the data with React, HTML, and Jinja2.
- Manufactured dynamic financial visuals with Flask and React so the business and management team can have detailed information about the company's financial status from a daily to yearly view.

PROJECTS

Clip It (React, Redux, Python, JavaScript, Flask, SQLAlchemy, CSS, AWS S3, PostgreSQL)

- Implemented a video upload feature by utilizing Amazon Web Services S3 so that users can seamlessly upload videos and render the video in the main feed and on their profile page.
- Devised backend database with Python, Flask, and SQLAlchemy to effectively query the information needed from the database and render it with React and Redux.
- Utilized Redux to access the state in order to render the necessary information needed such as videos, comments, likes, and other information the user needs using React.

QuickPics (React, Redux, Python, JavaScript, Flask, SQLAlchemy, CSS, AWS S3, PostgreSQL)

- Fabricated API routes with Python, Flask, and SQLAlchemy that queries and accesses the correct information such as a user's likes, comments, videos, and more.
- Designed and implemented an easy to use and intuitive user interface via React and Redux in order to allow users to easily submit posts, leave comments, and add likes.
- Enacted original css design in order to mimic Instagram's user friendly design and UI to give users a familiar and easy to use interface.

Queueflood (JavaScript, Express, Pug, Postgres, CSS, Sequelize, PostgreSQL)

- Implemented an Express backend connected to Pug templates in order to effectively query and render information in a similar design to Stackoverflow.
- Combined use of RegEx and Sequelize to effectively and quickly display user search results according to the user input

SKILLS

- React
- Redux
- Python
- Flask
- SQLAlchemy
- Webpack
- Express
- Javascript
- HTML
- CSS
- SQL
- AWS S3
- Git
- PostgreSQL
- Sequelize

EDUCATION

App Academy Dec 2020–June 2021

Intensive 1000-Hour
immersive full-stack web
development course with
<3% acceptance rate

University of California, Riverside 2015–2019

Graduated Cum Laude

B.S. in Business
Administration,
Management

Language

- English
- Cantonese
- Mandarin