

Nico Gerard Pierson

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Los Angeles, CA

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

[AngelList](#)

Technologies

React.js, Redux, Express, JavaScript, Python, Matlab, Bash and Shell Scripting, HTML5, CSS3, SQL, postgresSQL, Sequelize, Flask, SQLAlchemy, AWS, Heroku, Docker, HPC

Projects

Unwined

[live site](#) | [github](#)

HTML5 , JavaScript , CSS3 , React, Redux, Express, Sequelize, postgresSQL

A wine rating App that assists users to discover and rate new wine.

- Curated wine json data in sequelize to seed database with 5000+ wines, 3000+ wineries, and 300+ wine types
- Implemented wine search api to search by name and sort by name, rating, price and country
- Designed pagination to render 8 or fewer wines per page
- Developed query string parameters to load wines based on search or sorting option
- Integrated the search api with the wine results listed on search page in order to update the redux store and include the associated wineries

Hotpotato

[live site](#) | [github](#)

HTML5 , JavaScript , Python, CSS3 , React, Redux, Flask, SQLAlchemy, postgresSQL

A recipe portfolio App that assists users to discover and comment on new recipes.

- Obtained recipe json data from spoontacular API to seed the database with 100+ recipes.
- Implemented follow feature to follow your favorite chefs and a like feature to show the favorite recipes on profile page.
- Filter recipes on the feed page by categories: vegan, gluten-free, vegetarian, thai, french, and japanese recipes
- Developed React / Redux state to conditionally render recipe directions and preparations
- Coordinated with a team using the Agile Framework and github issues to divide tasks and develop the app.
- Utilized docker containers and heroku dynos to upload live app

YourCity

[live site](#) | [github](#)

HTML5 , JavaScript , Python, CSS3 , React, Redux, Flask, SQLAlchemy, postgresSQL

A city matching app for travel or moving.

- Filter recipes on the feed page by categories: vegan, gluten-free, vegetarian, thai, french, and japanese recipes
- Integrated AWS S3 storage and routes to upload city banner images.
- Developed using github issues and the Agile Framework
- Created heroku pipeline for staging and production environments
- Planned to use google api maps and roadgoat api to include supplemental info for city location and activities

Experience

Entry-Level Lab Technician | May 2018 - September 2018

Molecular Express Inc.

- Reviewed and wrote company SOPs
- Reported analysis of experimental results
- Tracked and recorded inventory of biological materials based on QC standards

Research Lab Technician | September 2018 - April 2021

California Institute of Technology

Matlab, Python, Bash and Shell Scripting, HPC

- Built custom image processing pipelines for fellow PhD students and collaborators

- Improved reliability and scalability of existing image processing tools and algorithms
- Developed bash and shell scripts to parallelized image processing with the Caltech High Performance Cluster

Education

App Academy | April 2021 - September 2021 | Online

Immersive 1000+ hour software development course with focus on full stack web development

University of California Santa Cruz | September 2008 - June 2012 | Santa Cruz, CA

BS of Bioengineering