

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/add and comment on wines they have tried.

- Curated wine json data in sequelize to seed database with 5000+ wines, 3000+ wineries, and 300+ wine types.
- Implemented search feature with search query to filter results based on name, rating, price and/or country.
- Reduced response time by normalizing wines and wineries in the redux store by dispatching actions for each wine page and grabbing only 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.

- Integrated recipe json data from spoontacular API to seed the database with 100+ recipes.
- Designed a self-to-self referential table to return the Follows table to allow users to follow their favorite chefs.
- Leveraged React/Redux state to conditionally render/save multiple rows of recipe direction and preparation steps with a single edit or save button.
- Coordinated tasks and deadlines with a 4-member team using the Agile Framework and github issues.

YourCity

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

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

A city matching App for users who plan on traveling or moving.

- Designed fully responsive CSS media queries for small mobile devices, tablets and computer screens.
- Developed app using github issues and the Agile Framework with a git feature workflow with a staging branch.
- Integrated heroku pipeline with github actions for staging and production environments.
- Created layout design of pages with css grid, which rearranges responsively depending on the screen width and/or height.

Experience

Entry-Level Lab Technician | May 2018 - September 2018

Molecular Express Inc.

- 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 and 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