Tanner Pedretti

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SKILLS JavaScript, Reactjs, Redux, Expressjs, Python, Flask, Postgresql, Sequelize ORM, HTML / CSS, Git / Github,

PROJECTS

Saucy-Score | *(JavaScript, Python, Flask, React / Redux, Postgresql, Nodejs, Docker, Heroku)*   **live** | **github**
- Harnessed React Portal to implement Modals throughout the site to enhance application flow and improve the responsiveness of the application UI .
- Integrated the jsSearch library to compose a search react component capable of querying for hot sauce names and rendering dynamic search suggestions in real time to improve the UI of the application.
- Combined Docker containers with Github actions to allow for automatic Github pull request deployments to the Heroku hosting service to optimize development efficiency and hosting related bug identification.

Party-Lure | *(JavaScript, Python, Flask, React / Redux, Postgresql, Nodejs, Heroku)*   **live** | **github**
- Developed a custom Flask query for the backend api and Postgres database that returns the posts with the most comments in order to display the most active posts on a "browsing" page to improve user experience.
- Leveraged Redux in a team environment to maintain state variables between team members developing a myriad of features at various development stages to optimize app composability and feature integration.

Horror-Host | *(JavaScript, Expressjs, Postgresql, Pugjs)*   **live** | **github**
- Constructed a Pugjs template mix-in that calculated the average score based on all the reviews for a movie, and displayed this score as a star rating underneath each movie to give the app a visual and intuitive movie ranking system.
- Utilized session cookies and Sequelize queries to conditionally display the review form so that only users that are logged in and have not previously reviewed the selected movie can compose a new review.
- Ensured a user's information remained private by integrating Auth routes and the Bcrypt hashing algorithm to obfuscate passwords, and ensure only authenticated users can perform certain actions across the site.

EXPERIENCE

Analytical Scientist
Socati Corp   Sept 2019 - Nov 2020
- Utilized ChemLab and other technical documentation to develop calibration curves from scratch that test Cannabinoid potency levels and residual solvents for samples in a FoodSafe analytical lab for HP-LC and GC-MS analytical testing.
- Generated Standard-Operating-Procedure (SOP) documentation for how to construct the calibration curves I developed to increase lab efficiency and allow for fellow employees to maintain sample reading accuracy without me present
- Produced and analyzed chromatographs to recommend future processing steps for a variety of analytical extract samples to maximize profit and company efficiency.

Wetland Monitoring Technician
Clark Fork Coalition   May 2017 - Sept 2019
- Collaborated with a team to develop and carry out a monitoring plan for restoration projects in the Clark Fork watershed. This plan was used to inform restoration decisions, prioritize and budget for project needs, and evaluate the effectiveness of various restoration implementations.
- Conducted a variety of scientific sampling surveys in order to collect data and construct hydrographs and other visualizations used for management decisions and to inform stakeholders about the progress/status of our projects

EDUCATION

University of Montana- *BS Geoscience, BS Restoration Ecology, 2014-2018*
AppAcademy - A rigorous 6-month full-time Software Engineering bootcamp with an acceptance rate of <5%.