Christopher Cottier

847-501-1339   cgcottier@gmail.com   Chicago, IL   Website   LinkedIn   Github

SKILLS: HTML, CSS, JavaScript, Node, Python, React, NextJS, Redux, JQuery, Express.js, Flask, PostgreSQL, SQL, MongoDB, ORMs, RESTful APIs, Docker, AWS, Git Version Control, Mocha, Jest, Unit Testing, Heroku

PORTFOLIO:

Vinify | *React / Redux, CSS, Flask SQLAlchemy, scrapy, bs4, PostgreSQL, Amazon RDS*   Live | Github

An independently created wine recommendation application that gives users the ability to select their wine preferences and delivers tailored recommendations, and wine details, based on real-world wine data.
- Created flexible React components that allowed for streamlined, custom, multi-page form creation. Modular templating allowed for the creation of 25+ form pages with different options and application responses.
- Employed Scrapy and Splash python packages to scrape data on over 80,000 wines to create a custom Amazon RDS database for wine matching API providing real, community verified, wine data.
- Leveraged the python bs4 package to retrieve, then parse HTML pages from wine fetch search engine, allowing creation of backend API that selects and returns wine store data that presents users with real purchasing options.

GiveMeDoughYo | *React / Redux, CSS, ExpressJS, PostgreSQL, Amazon S3, MulterS3*   Live | Github

An independently created clone of Indiegogo, a crowdfunding application where users can create campaigns, fund and follow others, and receive perks for their contributions.
- Integrated Amazon S3 file hosting through MulterS3, allowing users to host and edit images for their profiles and campaigns, as seen by the 1,000 seeded users and 500 campaigns.
- Implemented faceted search API that retrieves matching campaigns by keyword matching and category type.
- Customized a polished user interface using custom CSS as well as Bulma CSS bootstrap to display campaign and user data.

Splitorama | *React / Redux, CSS, Flask SQLAlchemy, PostgreSQL*   Live | Github

A group-created, Splitwise-inspired application. Splitorama allows users to split expenses between friends, keeping each user updated on expenses they have split with other users.
- Enable creation of shared expenses through complex API calls, allowing cross-user visibility of mutual outstanding debts.
- Increased user experience by implementing autocomplete features, firing API on each onChange event for input elements when finding friends or adding friends on expenses.
- Integrated settlement of personal debts through "Settle Up" modal, facilitating an API call that updates three database models in its process to display consistent information across users.

EXPERIENCE:

English and Science Teacher

Xiasha Middle School, Hangzhou, China   March 2019 - Jan 2020
- Independently developed and executed 40+ unique lesson plans for a diverse array of language learning goals, corresponding to a 29% increase in the school's English department rank in the district.
- Taught over 900 students across two grade levels, improving student class participation rate by 35% after 1 year.

English and Science Teacher / Lab Technician / Production Associate / Research Technician

Xiasha Middle School, Dunham Cellars, Blue Heron Biotechnology, Oregon State University   2014 - 2020

EDUCATION:

AppAcademy	I	Intensive 6 month, 1000+ hour software engineering bootcamp.	I	2020
Whitman College	I	Bachelor of Arts in Biology, with minor in Chemistry.	I	2011 - 2015