Kristy Lee

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My background in the medical field solidified my passion for helping others with empathy. As a software engineer, I continue to carry this mindset as I program applications. By leveraging my analytical skills, I aim to resolve programming issues by digesting them into smaller, more comprehensible tasks in order to find the best solutions for the problems I am presented with. Combined with my problem-solving skills, my passion for understanding programming language and framework in-depth, and for serving others, I endeavor to continually build applications that are meaningful and impactful for people.

Technical Skills

JavaScript | React | NodeJS | Express | MongoDB | SQL |Python | Django |Ruby | Ruby on Rails | HTML | CSS

Technical Projects

Elecommerce
*A mobile-responsive e-commerce web application allowing shopper to view and buy products and write reviews (**NodeJS, Express, MongoDB, React, Stripe API**)*
- Designed an Express CRUD API, comprising of compliant calls to Stripe's API, multiple referenced models, and routes to deliver JSON data to client
- Applied asymmetric cryptography and JWT for authentication, while incorporating session cookies for guest users
- Learned and applied React to display JSON data from API and collect data from shopper
- Material-UI and React-bootstrap libraries were selectively used to enhance the UI and UX of the website

Tello
*A clone of Trello that lets you prioritize and stay organized with boards, lists, and cards (**Ruby, Ruby on Rails, Vue**)*
- Assumed role as technical manager in team, overseeing pushes and pull requests on Git branches, testing team member's code, and providing constructive feedback and help to members
- Implemented user authentication with Ruby and Ruby on Rails to manage user login and signup on the front-end
- Constructed four referenced models, including Users, Boards, Lists, and Items, along with their controller actions. Led local and Heroku deployment testing on Postman to ensure controller actions functioned properly.
- Used Vue to form full CRUD on Boards, Lists, and Items and the drag and drop functionality of Items between Lists

Book Collection
*A digital book tracker for users to add genres and books to it, formulate book reviews, and track reading progress (**Python, Django, Vue CLI**)*
- Coded custom User model and manager, serializers, and views for a tailored authentication system on Django
- Devised the API with relationship models and views for Genre and Book. Views checked for the proper user and genre for the CRUD portion of Book model and handled any duplicated genre names and book titles
- Integrated Vue CLI and Buefy on the frontend to build out components for a multipage view with each view communicating to the backend API

Work Experience

J.P. Morgan Chase Software Engineering Virtual Experience Intern   April 2021
Forage
- Actively participated in guided modules to code the stock price data feed interface for potential trading by using Python language
- Used J.P. Morgan's Perspective tool to provide pivots, graphs, and filtering for the web application of the stock feed interface

Software Engineer Intern   Nov 2020 – Dec 2020
Revolver Lifestyle S.L.
- Learned and applied AWS Lambda foundations to craft a Python Lambda function to make calls to hotelBeds API
- Collaborated daily with other software engineers to share progress, planning, and debugging code

Software Engineering Fellow   June 2020 – Sept 2020
General Assembly
- Developed fluency in JavaScript, NodeJS, Express, MongoDB, Ruby on Rails, SQL, Python and Django over the course of 400+ hours in professional software programming training.
- Applied learned languages to build functioning full-stack CRUD web applications

Education

Coursera
Google Data Analytics Certificate   March 2021 – Present
Python 3 Programming Specialization Certificate   March 2021 – April 2021

General Assembly   June 2020 – Sept 2020
Software Engineering Immersive Certificate

Stony Brook University   Aug. 2013 – May 2017
Bachelor of Science in Biology, GPA: 3.91, *Summa Cum Laude*, Outstanding Academic Achievement in Interdisciplinary Biology