EMILY MORGAN

SOFTWARE ENGINEER

CONTACT

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LinkedIn

Github

Richmond, Virginia

SKILLS

JavaScript	Sqlalchemy
Python	Flask
React.js	Kanban
Redux	PostgreSQL
SQL	SQLite3
Git	AWS
HTML5	SocketIO
CSS	Express.js
Sequelize	Node.js

EDUCATION

App Academy

March - September 2023

Immersive software development course with a focus on full stack web development

Virginia Tech

Fall 2018 - Spring 2021

- Completed 46 credit hours towards Mechanical Engineering
- Deans list
- AutoCAD, HTML, MATLAB, Calculus, Linear Algebra, Differential Equations

John Tyler Community College

Summer 2016 - Spring 2018

- Completed 60 credit hours towards General Engineering
- Deans list
- Honors Student
- C++, Physics, Chemistry, Circuits

PROJECTS

Scribble   Live Site | Github

Goodreads clone built with Flask, Python, SQLAlchemy, JavaScript, React, Redux, and AWS

- Implemented image uploads using AWS to allow for secure and stable image storage.
- Designed custom user friendly search algorithm to query multiple columns and tables within the same search.
- Successfully replicated the site's UI modals and toggle buttons to enhance user experience and functionality, ensuring design consistency with the original website.

Slacker   Live Site | Github

A Slack clone built using Flask Python, SQLAlchemy, JavaScript, React, Redux, and SocketIo

- Employed SocketIo to design a live messaging function to allow users to send, update, or delete their messages in real time.
- Utilized Redux state to built a single page application to create a fast and responsive user experience.
- Managed the project using Git to ensure collaboration and codebase integrity amongst the team.

Flairbnb   Live Site | Github

An Airbnb clone built using Express.js, Sequelize, JavaScript, React, and Redux

- Built expansive custom data validation functions in the backend using Express.js to limit and control user interaction with the database.
- Applied object oriented programming principles to component design to allow for reusability with modular design.
- Applied AI-powered tools and frameworks to automate the generation of seed data and images to create a cohesive and visually appealing user experience.

WORK EXPERIENCE

Data Entry Specialist

Performance Food Group   February 2022 - present

- Worked within a proprietary databases to compile data from multiple sources
- Utilized Excel to organize massive quantities of product data and track down any missing pieces to complete thousands of items.
- Worked closely with a small team to streamline the workflow and organize the roles.

Receipts Specialist

International Mission Board   December 2021 - February 2022

- Demonstrated a close attention to detail through reconciling large databases of user data as well as transaction history.
- Managed documents by organizing mail, completing forms, making photocopies, and filing records.