ANTHONY **LOVERN** – Engineering Manager & Software Developer

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SKILLS

React, Redux, Javascript, Express, Python, HTML, CSS, SQL, Git, Heroku, Docker, Node, Object-Oriented Programming

EXPERIENCE

App Academy   Aug 2022 - Mar 2024

Module Instructor
- Organized and led fast-paced, interactive lectures on backend development, utilizing SQL, Express, and Sequelize, ensuring company timelines were adhered to while also adapting to address student needs and concerns.
- Assisted in debugging student code to increase both code efficiency and student understanding.

Module Assistant
- Initiated a program to build the skills and expertise of the instructional assistants, which led to a more well-rounded and efficient team, ultimately leading to a departmental-wide rollout of the program.
- Built new tests for student assignments that previously did not have tests using the Mocha and Chai testing packages, allowing for a switch from peer-driven development to test-driven development.

Instructional Assistant
- Managed the successful planning, development, and deployment of 100+ student full-stack applications by leading daily standup meetings as well as debugging the student code.
- Planned and implemented multiple workshops that increased student graduation rate by 20% as well as better prepared students for post-graduation.
- Oversaw the instruction team by taking over the Module Instructor's responsibilities when absent.
- Constantly improved the curriculum through collaboration across departments which resulted in a higher-quality student experience and better-prepared students for the job search.

CNC Router Programmer/Assistant Supervisor *Associated Hardwoods*   Oct 2017 - Jan 2022
- Programmed CNC Routers using AutoCAD to cut custom furniture parts based on customer specifications to maximize yield and minimize the cost to the company.
- Managed a team of operators to fulfill orders made by customers, increasing yield and revenue by 100%.
- Trained and organized new hires to uphold a standard of excellence within the company and ensure proper efficiency.

Owner/Instructor *828 Academy*   Apr 2018 - Dec 2021
- Managed the daily social media to optimize reach and interactions with potential clientele by examining metrics and optimizing post contents, leading to increased traffic for the company and more sign-ups by customers.
- Instructed clients in martial arts training as well as physical fitness training to encourage growth in the client.
- Encouraged an environment that led to 75% client retention, and increased client interaction with multiple facets of the company on top of what was initially signed up for.

PROJECTS

Nerdrr (ReactJS, Redux, HTML5, CSS3, ES6, Python3, Docker)   live | github
This is a clone of Fiverr that allows users to offer and order various services.
- Utilized ReactJS and Redux to store and present information to create an optimized user experience.
- Employed Docker to quickly and efficiently deploy features to the production site after developing feature branches and doing code reviews to verify the clarity and quality of code.

lofidelity (ReactJs, Redux, HTML5, CSS3, ES6, Python3, Flask, Docker)   live | github
This is a clone of Bandcamp that allows users to store and listen to Lofi music.
- Applied Amazon Web Services (AWS) S3 buckets to securely store different types of audio and visual media files in conjunction with the Flask database to efficiently store songs and images connected to users for their accounts.

- Employed React Player to allow users to listen to songs while viewing an album page.
- Facilitated a customizable user experience through ReactJS and HTML by allowing artists to customize user images and biography information, as well as album images and information.
- Worked in a group setting while managing Git workflow and minimizing merge conflicts through clear communication.

EDUCATION

Web Development - *App Academy | Graduated July 2022*
Bachelor of Science in Biology - *Western Carolina University | Graduated December 2014*