

Ivy Auna Huynh

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Salt Lake City, UT

Software Engineer

[Linkedin](#)

[Portfolio Site](#)

[GitHub](#)

Skills

Python, React.js, Redux, JavaScript, Express, HTML5, CSS3, Docker, Node.js, Sequelize, SQLAlchemy, SQL, PostgreSQL, Heroku, Git, REST API, Flask

Technical Full-Stack Projects

Logiderm | Python, JavaScript, React / Redux, SQLAlchemy, PostgreSQL, CSS3, Heroku, Git [live site](#) | [github](#)

- Engineered an algorithm using **Python's** random module to procedurally generate products with an ingredients list resembling actual skincare to populate the database with realistic data using **SQLAlchemy**
- Crafted a scalable function to systematically analyze each product and make the necessary associations in the **PostgreSQL** database as new products are added, allowing for instantaneous search functionality
- Built a modular **React** component to implement an add / edit / delete modal for "routines" while adhering to **DRY coding principles** and allowing for improved website **scalability**
- Created a custom filtering algorithm using **React state** and **React Hooks** to dynamically filter products given two separate inputs providing the user with a robust search experience.
- Produced a custom component using **JavaScript DOM manipulation** and **CSS3** to combine two separate search filtering sliders into one. This allows for a more intuitive user experience across all major browsers.

Programmatic | HTML5, AWS, JavaScript, CSS3, Python, React / Redux, PostgreSQL, SQLAlchemy, Heroku

Render Dijkstra's Algorithm

[live site](#) | [github](#)

- Instantiated a graph using **JavaScript** to implement Dijkstra's algorithm to find the shortest path between two nodes and track the traversal order
- Constructed a grid using **React** and **CSS3** to visually render algorithms to enhance **UI/UX** and overall user engagement
- Crafted a solution using **JavaScript** DOM manipulation and event handling to enable a **CSS3** Keyframe animation on course/lesson divs only upon mouseover to prevent animation from automatically playing on page refresh and component re-render
- Created custom classes and class methods to **standardize** the addition of algorithm visualizations. This **Object Oriented Programming** ensures the website is easily **scalable** to allow for ease of future development

Rufus | Express, Node.js, JavaScript, React / Redux, PostgreSQL, CSS3, Heroku, Git

Yelp clone for dog-related businesses

[live site](#) | [github](#)

- Leveraged a **JSON** class method to convert 14 **React** state variables into a single column in the **Postgres** database, facilitating the accessing and reformatting of data into a user-friendly format on each restaurant page

FoodHub | Express, Node.js, JavaScript, Pug, PostgreSQL, CSS3, Heroku, Git

Goodreads clone for restaurants

[live site](#) | [github](#)

- Utilized **Sequelize** to query and manipulate the **PostgreSQL** database to efficiently reflect user input on the frontend
- Crafted logic for data (total reviews and average ratings) using **JavaScript** to accurately display the rating statistics

Education

App Academy | Full-Stack Software Development | Remote

Fall 2021

- Relevant Coursework: **Object Oriented Programming (OOP)**, **Test-Driven Development (TTD)**, **Coding Best Practices**, **Systems Design & Architecture**, **Agile/SCRUM Methodologies**, **Data Structures**, **Algorithms**

University of Florida | College of Liberal Arts and Science

Spring 2021

- BA of Economics; Concentration in Mathematics*

Additional Work & Leadership Experience

Student Government Finance - Student Assistant

- Aided the management of a \$15million budget through direct communication with students across > 300 organizations to promptly process reimbursements and student activity requests in an efficient manner

Delta Sigma Pi Professional Business Fraternity - Member

University of Florida Competitive Cheerleading - Member