KYLE TSENG

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SKILLS

- **Languages:** Javascript, Nodes.JS, HTML5, CSS3, Python, SQL
- **Technologies:** Pug, REST, API, JSON, XML, Sequelize, PostgresQL, React, Redux, SQLAlchemy, DOM, Express
- **Management & Deployment:** Git, GitHub, Postman, NPM, Docker, DynamoDB, MongoDB, Render, Heroku, AWS, AWS Amplify, MySQL
- **Methodologies & Frameworks:** Object-Oriented Programming, Test-Driven Deployment, Responsive Design, Authentication, User Stories, Agile, Scrum, CRUD, Communication Skills, Customer Service

EXPERIENCE

Cake Decorator - Food Lion   July 2024 - current

- Used a variety of tools and frequently updated techniques following SOPs for intricate confectionary products while maintaining complete uniformity and quality.
- Produced quality products based upon customer requests in a fast paced environment while also maintaining inspection ready food grade certified workstations.
- Managed inventory of all supplies used for production and worked closely with management to order supplies as needed.
- Involved standing long periods of time and working non-traditional hours.
- Expanded my responsibilities by cross training across multiple stations within the deli and taking on other various roles while also attending to customers.

Web Applications Developer - Duke University Dept of Biology   Nov 2022 - Feb 2023

- Researched and developed solutions to increase scalability of a legacy full-stack Express application
- Implemented user authentication through AWS Amplify, OAuth 2.0, and AWS Cognito in order to optimize the sign up process for both users and administrators.
- Owned the full conversion and redeployment of the project backend from MongoDB to DynamoDB
- Collaborated with cross-functional teams to modify and enhance web applications, preparing detailed estimates for feature delivery.
- Assisted with technical activities related to service providers, particularly in hosting environments, to ensure seamless application deployment.
- Conducted rigorous testing and debugging of applications to verify accuracy and completeness; maintained and revised existing applications to ensure optimal performance.

PROJECTS

Artygram | *(React-Redux, Flask/SQLAlchemy, Python, RESTful APIs, SQL, CSS)*   **Live** | **GitHub**

Pseudo-social media platform focusing around artists that wish to share their works, inspired by Instagram.

- Addition of the customized react-particles feature that adds flair to the app and creates a nostalgic visual experience, similar to Instagram
- Collaborated with team members using Git workflow and Slack to achieve features in a timely manner while switching between frontend and backend
- Reduced SQL table usage by 25% and heavily DRYed up backend code by implementing a one-to-many polymorphic table on the database level
- Adhered to React and ES6 best practices to generate a true single page reactive web app experience

GoodSeeds | *(Express, JavaScript, PUG templates, PostgreSQL, RESTful APIs)*   **Live** | **GitHub**

A house plant tracking app for your personal collection of plants, inspired by GoodReads

- Incorporated AWS S3 to implement user image uploads, reducing load on server and allowing for scalability of image services.
- Utilized PUG templates to provide structure for our HTML, allowing for a code structure that is easier to read and manage
- Managed shelf creation and plant addition CRUD through custom transactional database relations using PostgreSQL

EDUCATION

North Carolina State University - *Bachelor's of Arts in Psychology, 2017-2020*

AppAcademy - 1000+ hour long intensive bootcamp that introduced fullstack languages and frameworks such as Express, Flask, React-Redux, Python, JS, SQL, SQLAlchemy, which I used to build my projects.