

Zach Yu

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

JavaScript • Node.js • Python • HTML5 • CSS • React • Redux • PostgreSQL • Sequelize • Flask
SQLAlchemy • JSX Psycopg • Alembic • Express • Pug • Docker • Heroku • Git • AWS

PROJECTS

Schmenu (Javascript, Python, React / Redux, Flask, SQLAlchemy)

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

Application designed to allow users to search for desired food by name, type, and ratings

- Implemented multi-user experiences using Javascript / Python to allow different types of users to have experiences
- Designed, wireframed, and incorporated all stylings, logo, and user interfaces to create aesthetically pleasant and easy to use website utilizing Adobe Photoshop and Illustrator skills.

Table For Two (Javascript, Python, React, Flask)

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

Open Table inspired application for users to seek inspiration, search for, and make bookings by date venues

- Integrated AWS S3 to allow image uploads for customization of user accounts, as well as provide a visually appealing user experiences
- Harnessed the unidirectional state management of Redux to simplify React components, manage data for application to have scalability, and ensure immediate responsiveness of webpages to all changes

Pixel8 (Javascript, Express, Pug)

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

Based loosely on Medium, a site to allow users to browse a variety of game related articles

- Leveraged Sequelize ORM to interact with data in PostgreSQL database to allow for efficient querying, ease-of-access, and to create a malleable data stream connecting the frontend and backend
- Established create/review/update/delete (CRUD) functionality using RESTful API principles with Express.js backend to establish maintainable codebase and to allow user-facing views to be rendered dynamically through Pug engine
- Led the team as Scrum Master, assigned duties as required, ensured deadlines were met on time, managed goals and milestones, confirmed dependencies were completed in necessary order, and resolved team impediments

EXPERIENCE

Junior Instructional Assistant | App Academy

August, 2021 - Current

- Leveraged Sequelize ORM to interact with data in PostgreSQL database to allow for efficient querying, ease-of-access, and to create a malleable data stream connecting the frontend and backend
- Aided students during pair programming assignments ex. troubleshooting bugs, code reviews, answering questions.
- Built curriculum material, including programming assignments and projects for students to practice concepts like object-oriented programming, design, promises, and single responsibility principle.
- Contributed to curriculum improvement with code reviews, opening GitHub issues, and making pull requests.

Information Technology Network Administrator | Unilan Networks

May, 2016 - March, 2021

- Setup and maintained server and network systems for 30+ client companies as an outside contracted IT
- Organized and collaborated with 3rd party vendors to ensure seamless transitions for implementations of new systems
- Secured networks by developing network access, monitoring, control, and evaluation
- Proposed and implemented solutions for network security against outside access, while maintaining network performance through monitoring and analysis

Documentation Specialist | Newport CH International

April, 2015 - May, 2016

- Provided training and created written support materials to more than 10 new hires into the company
- Responsible for application and renewal of license and specialized inspection certificates in one of very few companies with such qualification and authorization, and communication with official agencies to ensure a smooth transition for all cargo
- Communicated with widely renowned companies to arrange for the transfer and transportation of shipments in and out of the country

EDUCATION

Web Development | App Academy

March, 2021 - August, 2021

Completed a rigorous 1000+ hour full-stack software development bootcamp with a less than 3% acceptance rate. Relevant coursework includes: Object Oriented Programming (OOP), Test Driven Development (TDD), Algorithms, Data Structures, Systems Design & Architecture, Agile/Scrum Methodologies

BA Education | University of California, Riverside

September, 2014 - June, 2015

Pursued a degree in Computer Science, left college in good academic standing for financial reasons and to gain a more hands on approach to web development