

Wendy C. KUO

Fullstack Software Engineer

561-273-5988 | weimmod@gmail.com | Justin, TX | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

TECHNICAL SKILLS

Languages: JavaScript, Python, HTML, CSS3, SQL

Frameworks/Tools: React, Redux, Express.js, Flask, Sequelize, Node.js, SQLAlchemy

Certificate: CISSP (Certified Information Systems Security Professional), CEH (Certified Ethical Hacker)

PROJECTS

Itsy - [Javascript](#) | [Python](#) | [React](#) | [Redux](#) | [SQLAlchemy](#) | [Flask](#) | [AWS](#) | [PostgreSQL](#) [Live](#) | [GitHub Repo](#)

A web app inspired by Etsy featuring Products, Shops, Shopping Carts, Order, and AWS S3 image uploading.

- Connected the Flask backend to AWS S3 for media storage to reduce server load and enhance scalability.
- Leveraged React/Redux to seamlessly gather frontend data and interface with the Python backend, enabling CRUD actions for user authentication, creating new listings, and adding items to cart.
- Created an autocomplete search using vanilla JavaScript to retrieve matched information from the database.
- Integrated Google OAuth 2.0 protocol for authentication and authorization.

Pinthis - [Javascript](#) | [Python](#) | [React](#) | [Redux](#) | [Flask](#) | [Node.js](#) | [SQLAlchemy](#) | [AWS](#) [Live](#) | [GitHub Repo](#)

A pixel perfect clone of Pinterest with Pin, Board, Comment, Favorite, and AWS S3 image uploading.

- Built a secure user authentication system, utilizing BCrypt to hash and salt passwords, protecting user data.
- Integrated Redux store for global state management by dispatching actions across components giving the user a seamless, uninterrupted experience which closely mimics the behavior of Pinterest web application.
- Utilized GitHub's branching and workflow features by creating Kanban boards to separate tasks, which allowed us to collaborate to keep track of progress ensuring timely delivery of project milestones.

Qwerbnb - [Javascript](#) | [React](#) | [Redux](#) | [Express](#) | [Sequelize](#) | [SQLite3](#) | [Google Maps API](#) [Live](#) | [GitHub Repo](#)

A web app inspired by Airbnb that includes features such as Spots, Reviews, and Google Map API

- Configured the Node backend with PostgreSQL, using Sequelize ORM for validations and database queries.
 - Used Google Maps API to dynamically present the specific spot location, allowing for a seamless experience.
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WORK EXPERIENCE

Security Engineer

May 2018 – May 2021

UL IMS-Identity Management & Security, Shanghai, China

Member of UL Cyber security Assurance Program (CAP) team which deals in testing cyber security requirements for IOT devices and certifying the IOT devices according to ANSI/CAN/UL 2900-1 standards.

- Performing security tests on IOT devices that includes known vulnerability testing, malware testing, software weakness analysis, static source code and binary code analyses.

Senior Consultant

Sept 2015 – Apr 2018

Price WaterHouse Cooper, Taipei, Taiwan

- Performing various tests on web and mobile devices includes known vulnerability testing, malware testing, malformed input (Fuzzing) testing, and software weakness analysis.
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EDUCATION

Full Stack Software Engineering

App Academy – 2023

Master's in Management Information Systems

National Central University – 2015