# Wendy C. KUO

Fullstack software engineer

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## 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)

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## PROJECTS

**Itsy**                                                                    **Live** | **GitHub Repo**

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

- Utilized AWS S3 to implement user image uploads reducing server load and enhancing 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.
- Create an autocomplete search using vanilla JavaScript to retrieve matched information from the database.

**Pinthis**                                                                 **Live** | **GitHub Repo**

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

- Leveraging PostgreSQL for database management, ensuring efficient retrieval and management of large datasets .
- Implemented a responsive and intuitive user experience which closely mimics the behavior of Pinterest web application
- Integrated Redux store for global state management by dispatching actions across components giving the user a seamless, uninterrupted experience.

**Qwerbnb**                                                                 **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 the Sequelize ORM for validations and database queries.
- Integrated Google Maps API to dynamically present the specific spot location.

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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 | Management Information Systems                    National Central University – 2015