22N 20th st. Lafayette, Indiana

Kenneth Wong

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EDUCATION

West Lafayette, IN   **Purdue University**   **Aug 2019- May 2023**

- **Major**: Computer Engineering, B.S.E (**GPA: 3.81**)
- **Minor**: Computer Network and Information
- **Semester Honors** - (4/4) Semesters   **Dean's List** - (4/4) Semesters
- **Programming Coursework**: Algorithms and Data Structures, Networking, OOPs, Systems Design

EMPLOYMENT

Software Developer, Part-time   **Purdue Agriculture**   **October 2021 - current**

Grow App (https://grow.oatscenter.org): Crop monitoring web application for farmers
- Used Svelte, Typescript and Tailwind css to build front-end of the web application.
- Fixed bugs related to site navigation to provide farmers a smoother user experience.

Data Science Researcher   **Purdue University**   **August 2021 - current**

- Solved a labelling issue within Merck facilities by creating a web application that has an inhouse qr-code generator and qr-code scanning function for vile and sample lookup.
- Designed a platform for scientists to batch upload .csv files containing legacy sample data and parse it and store into S3 and pipeline files through databricks for data visualization.
- Integrated AWS Redshift as rds for project and AWS S3 bucket for data redundancy for Merck vile csv files.
- Utilized confluence for work documentation and Jira for agile development sprint planning.

Web Developer, Intern   **Alco Holdings Limited**   **June 2021 - July 2021**

- Utilized NodeJS, ReactJS, HTML, CSS, Javascript to create companies' websites to display latest products.
- Daily standups with CEO and marketing team to ensure the website encapsulates the goal of the product.
- Scheduled meetings with graphics design team to retrieve graphics and logos to implement on the website.

RELATED EXPERIENCES/ PROJECTS

Full-Stack BootCamp - Deep dive into Modern Web Development
- Grasped web design with ReactJS as front-end, ExpressJS, NodeJS and MongoDB as a backend.
- Exercised Token Authentication with JWT and Bcrypt for secure user authentication.
- Created full-stack web application chat website using socket.io and the MERN stack.

KChat Full-Stack Web Application
- Full-stack development of personal chat web application using ReactJS and ExpressJS.
- Implemented websocket library socket.io for constant polling for real-time messaging.

ZenSocial
- Developed a full-stack web application where users can create blog posts, like or dislike other users blogs.
- Implemented the backend with Flask and Sqlite3 and front-end using react and DaisyUI.

Purdue EcoMake 2020 Hackathon 3rd place
- Developed a camera litter detection system which maps location of detected litter on our campus
- Implemented Microsoft Azure's Computer Vision AI to detect litter from images sent by a Raspberry Pi
- Showed Litter location coordinates on our website using a React frontend with Google's Geolocation API

SKILLS

Software: Python, C, ReactJS, NodeJS, SQL, API, Git, Linux, HTML/JavaScript, MongoDB, Postman, Flask
Language Competency: (Native) English, Cantonese, Mandarin (Intermediate) Spanish