

EDUCATION

West Lafayette, IN	Purdue University	Aug 2019- May 2023
<ul style="list-style-type: none">• Major: Computer Engineering, B.S.E (GPA: 3.82)• Minor: Computer Network and Information Technology• Semester Honors - (5/5) Semesters Dean's List - (5/5) Semesters• Programming Coursework: Algorithms and Data Structures, Networking, OOPs, Systems Design		

SKILLS

Programming Languages: Python, Javascript, C, SQL, HTML, CSS

Frameworks: ReactJS, NodeJS, Flask, Svelte, Express, SQLAlchemy

Tech: RestAPI, Git, Linux, PostgreSQL, MongoDB, Google Analytics, VSCode, AWS S3, SQLite3, Postman

Language Competency: (Native) English, Cantonese, Mandarin (Intermediate) Spanish

EMPLOYMENT

Software Engineer	Merck Purdue	August 2021 - current
<ul style="list-style-type: none">• Solved a double 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.• Increased scientists sample labelling efficiency by 50% within Merck Facilities through the web application.• Designed a platform for scientists to batch upload .csv files containing legacy sample data and parse it and store into AWS S3 and pipeline files through databricks for data visualization.• Integrated AWS PostgreSQL as RDS and AWS S3 bucket for data redundancy of csv files and forum inputs.• Utilized confluence for work documentation and Jira for agile development sprint planning.		
Software Developer, Part-time	Purdue Agriculture	October 2021 - current
Grow App (https://grow.oatscenter.org): Crop monitoring web application for farmers <ul style="list-style-type: none">• 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.		
Web Developer, Intern	Alco Holdings Limited	June 2021 - July 2021
<ul style="list-style-type: none">• 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

- 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.

ZenSocial Full-Stack Web Application

- Developed a full-stack web application where users can create blog posts, like or dislike other users blogs.
- Implemented the backend with Flask, Flask-Restful 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