

22N 20th st. Lafayette, Indiana

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EDUCATION

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| West Lafayette, IN | Purdue University | Aug 2019- May 2023 |
| <ul style="list-style-type: none">• 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

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| 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. | | |

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| Data Science Researcher | Purdue University | August 2021 - current |
| <ul style="list-style-type: none">• 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. | | |

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| 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

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| Full-Stack BootCamp - Deep dive into Modern Web Development |
| <ul style="list-style-type: none">• 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. |

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| KChat Full-Stack Web Application |
| <ul style="list-style-type: none">• Full-stack development of personal chat web application using ReactJS and ExpressJS.• Implemented websocket library socket.io for constant polling for real-time messaging. |

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| ZenSocial |
| <ul style="list-style-type: none">• 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. |

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| Purdue EcoMake 2020 Hackathon 3rd place |
| <ul style="list-style-type: none">• 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