Christopher Chen

Full-stack developer. Designer.

work experience

Advanced Intelligent Systems, Burnaby, CA (Jan 2020 - Ongoing)
Developer, Designer

+ Developed both a native mobile app and a web app that are now used by the team to control and automate the robots organizing fields with pots.
+ Improved the layout, user experience, and functionality of a robot dashboard web app by eliminating unnecessary button clicks, alerts, and routes, creating a more intelligible front-end, and presenting data more informatively.
+ Developed a PWA for users to track a robot's progress as it moves from field to field to set up pots, create points to indicate where robots should work, as well as automate the robot's pathing
+ Created UI designs for the app's interface using Figma, developed the apps in Ionic and Angular, and used AWS for user authentication and backend APIs.

Vibevent (Jul 2019 - Ongoing)
Full-stack Developer, Designer

+ Created a progressive web-app using React for the front-end, Node.js for the backend, and MongoDB for the database
+ Used various animation libraries to animate front-end elements such as the sidebar and event cards.
+ Used Mapbox to visualize events fetched from the backend on a map
+ Used Node and Axios to create HTTP requests in order to fetch data from Mongo
+ Designed the UI using Figma and stylized the front-end using mobile-first responsive CSS

Microsoft, Jakarta, Indonesia (May - Aug 2018)
Business and Technologies Intern

+ Developed a proposal directed towards local universities on the possible integration of Microsoft Azure in managing big data and facilitating machine learning in their educational curricula
+ Shadowed and attended meetings and talks with the National Technology Officer and Software Asset Management and Compliance Director
+ Self-learned Azure's technologies and analyzed big data and machine learning case studies

Aerogreens, Jakarta, Indonesia (May - Aug 2018)
Lead Designer, Lead Developer

+ Designed various social media marketing assets for Instagram such as posts and stories, as well as assets for Aerogreens products such as salad bowls and raw vegetable packages
+ Designed Aerogreens' website on Figma and developed it using HTML, CSS, JS, as well as external JS libraries

project experience

Portfolio Website (Jun 2019)   → *https://kraytaps.github.io/*
Developer, Designer

+ Developed a responsive portfolio website using HTML, CSS, and JavaScript
+ Designed the UI using Figma

XdHacks (Feb 9 - 10, 2019)   → *https://github.com/kraytaps/KENKO/*
Developer, Designer

+ **Won first place**
+ Developed a cross-platform Android app that helps rheumatoid arthritis patients using React Native
+ Allows patients to take an official symptoms quiz and translates the data into a pdf
+ Uses an API to allows patients to scan pharmaceutical drugs and add them to their list, where another API allows them to create text message reminders to take their medication
+ Informs patients of allergens by using an API to let them scan food labels
+ Designed the UI using Figma

Djikstra Visualizer (Nov - Dec 2019)   → *https://github.com/kraytaps/djikstra-visualizer/*
Developer, Designer

+ Created a weighted pathfinding visualizer that uses Djikstra's algorithm using React
+ Allows users to determine the start node, end node, and walls
+ Stylized the animation using CSS keyframing

contact

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technical skills

software development
↳ React, Java, C++, C, HTML, CSS, JavaScript, Vue, Node.js, AngularJs, Ionic, MongoDB, AWS Amplify, Git

design
↳ Cinema4D, Figma, Adobe Suite (Ps, Ai, Pr, Ae, Id)