

CHRISTOPHER CHEN

+1(778)868-6797 | chris.791.ix@gmail.com | ig: @kraytaps, @kraytaps__ | https://kraytaps.github.io/

TECHNICAL SKILLS



Software Development Design

Java, C++, R, C, HTML, CSS, JavaScript, Dr. Racket, Git, Vue, React, Node.js, MongoDB
Cinema 4D, Figma, Adobe Suite (Ps, Ai, Pr, Ae)

PERSONAL PROJECTS



XD HACKS,
VANCOUVER, CANADA
(Feb 9-10, 2019)

DESIGNER, DEVELOPER || <https://github.com/kraytaps/KENKO>

- Developed an Android app that helps rheumatoid arthritis patients
- Improved cross-platform usability by developing the UI using React Native
- Allows patients to take an official symptoms quiz and translates the data into a pdf
- Uses an API to allow 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
- Won first place

DJIKSTRA VISUALIZER
(Nov 2019 - Dec 2019)

DEVELOPER || <https://github.com/kraytaps/dijkstra-visualizer>

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

PORTFOLIO WEBSITE
(Jun 2019)

DESIGNER, FRONT-END DEVELOPER || <https://kraytaps.github.io/>

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

IMAGE COMPRESSION
(Apr 2019)

DEVELOPER (CPSC 221) || <https://github.com/kraytaps/cpsc221-image-compression>

- Implemented a lossy image compression algorithm using C++ that recreates images with a blocky effect
- Partitioned the pixels in space as a Quad Tree, where each square is divided into four more squares, stored in the node's children

**EVENT DISCOVERY
WEB APP (STAGE 1)**
(July 2019 -)

DESIGNER, DEVELOPER

- Created a progressive web-app using Vue.js for the front-end, Node and Express for the backend, and MongoDB for the database
- Used a mapbox API to visualize JSON event data on a map, manipulated through the passing of Vue props between components
- Implemented HTTP requests to fetch data from the database using Express and Mongoose
- Created a test suite using the Vue router that switches between displaying posts and letting users create new ones
- Designed the UI using Figma and stylized the front-end using responsive CSS

PROFESSIONAL EXPERIENCES



MICROSOFT,
JAKARTA, INDONESIA
(May - Aug 2018)

BUSINESS COMMUNICATIONS 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