# KAREN KA YING LIN

SOFTWARE ENGINEER | HONOURS BACHELOR OF COMPUTER SCIENCE | PHONE: (647) 807-3223 WEBSITE: https://kykarenlin.com | EMAIL: karenlinky@gmail.com | www.Linkedin.com/in/karenlinky

## **Work Experience**

### Software Engineering Intern, Meta May 2022 - Aug 2022 ■ Used ReactJS and Hack to build new features ☐ Upgraded the alert-inbox page of the developer communication platform using a new React component library Increased consistency of the UI styling across the platform ■ Developed the the test-launch feature of the developer communication platform Enhanced efficiency by preventing users from wasting time waiting for content approvals Added logic to validate and restrict the recipient type of a test-launch Designed the UI using Figma Added the alert-template feature to the developer communication platform Increased efficiency by eliminating the need for users to compose a message from scratch Sept 2021 - Dec 2021 **Software Engineering Intern,** Achievers Used ReactJS, scss to develop the frontend Used Formik and Yup to validate user-input Place larger and blurried copy of images/GIFs behind the original copy Used python to develop the backend Wrote scripts to crop image/GIFs size, and upload them to a GCS bucket Fixed bug occurred while fetching data from GCS Fixed permission issues Used Kubernetes commands to help debugging **Software Engineering Intern,** Achievers Jan 2021 - Apr 2021 Used PHP to develop the backend of the Listen product Unit testing **Programmer**, KGS Research Jan 2020 - Aug 2020

# Summary of Qualifications

# Languages/Technologies:

ReactJS, Java, JavaScript, Python, C, C#, C++, Kotlin, Bash, CSS, SCSS, PHP, Hack, SQL, Git

### Education

University of Waterloo, ON, CA Major: Computer Science (Sept 2018 – Apr 2023)

#### Interest

Swimming | Wing Chun | Tennis Table Tennis | 3D Modeling Photography | Paddle boarding Foosball | Ultimate Frisbee Juggling | Soccer | Basketball

## Relevant Projects https://github.com/karenlinky

- Study Schedule Generator (Android App Development)
  - Designed the architecture and UI; built the app in Kotlin
  - Built the UI of the auto-generate plan and manually generate plan page; created date and time picker fragments

#### Secret Gifta

Used HTML tags to format question text and JavaScript to randomize answer options

- Used ReactJS, css to develop the frontend
  - Responsive frontend
  - Used Formik and Yup to validate user-input
  - Used useContext hook to manage modal type message box
- Used Python and SQL to manage the backend
- Wrote queries to store and fetch matching results from DB
- Match participants randomly using a graph data structure

#### Chef's Hat

- Handled user authentication with PHP
- Designed SQL data structures
- Wrote queries to search for recipes from DB based on keywords