

# KAREN KA YING LIN

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## 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 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

### Software Engineering Intern, Achievers

Sept 2021 – Dec 2021

- Used **ReactJS**, **scss** to develop the frontend
  - Used **Formik and Yup** to **validate** user-input
  - Place larger and blurred 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

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

## 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 Giftr

- 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