

# KA YING KAREN LIN

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COURSES: Object-Oriented Software Development, Database Management, Architecture, Algorithm, OS, Software Testing

## 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
  - Implemented 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
  - Placed a 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 issue

### Software Engineering Intern, Achievers

Jan 2021 – Apr 2021

- Used **PHP** to develop the backend of the Listen product
- Performed unit testing

### Programmer, KGS Research

Jan 2020 – Aug 2020

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

## Summary of Qualifications

### Languages/Technologies:

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

### Education

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

### Interest

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

## Relevant Projects

### Gen S (Android App)

- 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 fragments

### Secret Gifra (Web App)

- Used ReactJS to develop the frontend
  - Responsive UI
  - Used Formik and Yup to validate user-input
  - Used useContext hook to manage modal type message
- 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 (Web App)

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