

# KA YING KAREN LIN

## SOFTWARE ENGINEER

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### SUMMARY OF QUALIFICATIONS

**Languages/Technologies:** ReactJS, JavaScript, CSS, Python, Kotlin, Java, Dagger Injection, Git, GraphQL, Bash, SQL, PHP, Java, Kotlin, C, C#, C++

### PROFESSIONAL EXPERIENCE

**Snap Inc.** Santa Monica, CA  
Software Engineer 2024 Feb - Present

- Increased the number of **login (with phone) success by 1.41%** and reduced the number of **login (with phone) failure by 13.99%** by integrating the Snapchat app with the Phone-Parsing Service
- Increased the number of **app-openings by 0.16%** and the total time spent on the app by 0.57% by developing the Username Assisted Quick Login
- Increased the number of **app-openings by 4.32%** and **app-openings of previously non-active users by 7.64%** by using GRPC Status Code to determine network connectivity

**Meta** Seattle, WA  
SWE Intern May 2022 – Aug 2022

- Used **ReactJS** and **PHP** to develop both the alert inbox page and the Developer Communication Platform (DCP), a tool enabling Meta employees to communicate with third-party app developers
- Revamped the inbox page using a new React component library to increase consistency of the UI styling throughout the platform, which **increased the new library UI coverage from <5% to 90%+**
- Developed and **designed the UI** for the DCP test-launch feature, allowing sending messages without approvals while restricting the recipients exclusively to Meta employees, which **reduced the need for unnecessary manpower**
- Added the alert-template feature into DCP, **improving efficiency** by eliminating the need of composing messages from scratch

**Achievers** Toronto, ON  
SWE Intern Jan 2021 – Apr 2021, Sept 2021 – Dec 2021,

- Used **ReactJS** and **Python** to develop the Announcement and Recognition microservices, services that allow users to create and access announcements, and recognize other colleagues' work
- Worked on user-input validation algorithms to **ensure data integrity** and **prevent database errors**
- Worked with **CSS styling** to enhance the visual appeal of displayed images
- Fixed bug related to CSS styling, data fetching from GCS buckets, and permissions to improve user's experience

### EDUCATION

**University of Waterloo** Sept 2018 – Apr 2023

Honours Bachelor of **Computer Science** (GPA: 89)

**Courses:** OOP Software Development, DB Management, Architecture, Algorithm, Software Testing

### RELEVANTE PROJECTS

#### Gen S (Android App)

- Designed the **architecture** and used **Kotlin** to create a tool that generates personalized study plans based on user availability and preferences
- Built the auto-generate plan and manually generate plan page; created **fragments** for readability and maintainability

#### Secret Giftra (Web App)

- Used **ReactJS**, **Python** and **SQL** to develop an application that randomly assigns gift exchange partners to users
- Used **useContext** hook to manage modal type message, effectively reducing the coupling between components
- Implemented a **graph data structure** to efficiently pair participants with their gift exchange partners

### INTEREST

Taekwondo | Swimming | Wing Chun | Table Tennis | 3D Modeling | Basketball | Soccer | Frisbee | Cycling