

Monica Luo

416-830-5699

lalaphoon.application@gmail.com

<https://github.com/lalaphoon>

EDUCATION

Waterloo, ON	University of Waterloo	2013 Jan - 2017 Dec
<ul style="list-style-type: none">• Major: B.S. in Computer Science, Software Engineering Options• Minor: Fine Arts Studio from Faculty of Arts		

TECHNICAL SKILLS

- **Programming languages:** (*proficient*): Java, Swift, Unix, Git (*familiar*): Objective-C, Javascript, C#, SQL, Html/CSS
- **Frameworks:** ReactJS & Redux, Apache Tomcat
- **Developing Tools:** Xcode, Unity, Photoshop

EMPLOYMENT

Software Engineer, Full-time	ZeMind Game Studio	2017 Sept - 2019 Nov
-------------------------------------	---------------------------	-----------------------------

Stuff: <https://apps.apple.com/us/app/apple-store/id383545689> A news feed iOS app from New Zealand

- Worked in a team of 5 responsible for creating new features and ensured the availability for both iPhone & iPad platforms.
- Improved the user experience by creating customized reusable UIViews, UILabels and UIScrollView which has features of auto-scrolling and infinite loop.
- Refactored the code and maintained the project environment up-to-date and the stability of aggregation with third party framework includes Outbrain, Smartfeed, GoogleMobileAd.
- Created a system using JSON to efficiency control the accessibility of resources based on geographical location.
- Fixed the issues caused by iOS 13; Diagnosed crashes, reduced over 1k of crash reports on iPad generated in half week.
- Leveraged Knowledge in iPhone/iPad Development in Swift & Obj-c. Management in large-scale projects. Experienced with integration of third-party frameworks.

Uncaged Cards Generator : uncaged-cards.com two-player board card game

- Designed and created the entire auto card generator system by using **Photoshop Scripting** to reduce the total working times.
- Be able to produce gaming cards in both **psd** and **jpg** format.
- Generated 200+ cards within 15 mins, which is 10 times faster than the traditional way.
- Leveraged Knowledge in Javascript, Adobe Photoshop Scripting and it is an independent project (design, implement and test).

Adidas Predator: [predator link](#) An AR app on iPad for Adidas Predator seasonal promotions.

- Worked in a team of 5 responsible for aggregation of 3D models with animation in **Unity** environment and front-end.
- Created UI with **Animator Line** to improve the visual effect
- Researched and implemented **AR** functionality with **Vuforia**.
- Made effective communication with clients to deliver a productive plan.
- Leveraged knowledge in C#, Unity, Animation , AR with Vuforia and a touch of Cinema 4d

PERSONAL PROJECTS

Delivery - a web app

- Designed and developed an interactive web page for users to search a nearby delivery dispatcher and allocate a delivery path with **React JS** and **Redux**.
- Implemented features such as "Set up from location", "Set up destination", "Selected a delivery route" with **Ant Design**, **GeoCoding API** and **Google Map API**.
- Visualized the delivery route, including route distance, total time estimation.
- Designed five **Java Servlets** with **RESTful APIs** to handle http requests, in order to achieve "Search history record", "Check delivery availability", "make a delivery order" functionality.
- Generated delivery routes and returned to front-end with **Google Directions API**
- Build **MySQL** database on **Amazon RDS** to store users' order history and ongoing order.
- Deployed to **AWS EC2** and managed version control with **Docker**.
- Utilized: Java Tomcat, React & Redux, Ant Design RESTful API, Full Stack Development, MySQL, AWS

Tax Calculator App - an iOS app

- Developed a **full-stack** mobile app in Swift to quickly get an estimation of tax based on total revenue, province location and topic.
- Applied **Strategy** design pattern for provincial tax calculations.
- Implemented user interface via both **Storyboard** and code with **Auto Layout**.
- Created an **expandable table view** to display on-demand information to users.
- Used **Charts** and **PureLayout** to illustrate the proportion between total income and tax.
- Allows user save and reload a calculation record with **Core Data**.
- Created sharing functionality and sending email on user's settings page with **Social** and **MessageUI**
- Utilized: Swift, Auto Layout, Design Patterns (Strategy, Bridge, Singleton), Core data, Social, MessageUI, PureLayout, Charts