Stephanie Gu

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Skills

- Swift, Objective-C, C/C++, Python, ReactJS

Experience

Wish – Software Engineer   San Francisco (Remote) | Jan. 2021 – Present
- Working on the iOS team as a full-stack software engineer to ship features to over **500 million users**
- *Tech Stack: **Python**, Swift, MongoDB, SQL, Hadoop, Hive, Tornado*

Autodesk (Plangrid) – Mobile Engineer   San Francisco | Jan. 2020 – Apr. 2020
- Implemented high-impact customer facing features end-to-end on Photos team in **iOS** (Swift, Objective-C) and **Android** (Kotlin) to increase photo gallery usage for **10,000+ daily users**
- Designed and implemented filter and sort to fully utilize all photo metadata while ensuring performance for large photo libraries with **thousands of photos**
- Deployed architectural patterns **Flux** and **MVC** in iOS app to write reusable and efficient components
- Wrote unit tests using testing frameworks **Quick** and **XCTest**
- Debugged various problems related to pointers and threads, circular dependencies, UI and more

Osellus Mobile – Software Developer   Toronto | May. 2019 – Aug. 2019
- Worked closely with CTO to make significant contributions to the company flagship app using **Swift**
- Designed and developed the implementation of new chat feature with offline support and syncing
- Applied asynchronous programming to implement faster, optimized user experience
- Improved performance of app features by reorganizing data structure for large volumes of data

Projects

EcoStore (Hack the North) – Swift – *https://github.com/stephaniegu4/EcoStore*
- Lead development of iOS app which gamifies recycling to create incentive for users to recycle more
- Created an image recognition model using Microsoft Azure and Core ML to verify recyclable material

stephgu.me – ReactJS – *https://github.com/stephaniegu4/personal-website*
- Designed and implemented a single page web app using ReactJS and CSS

Achievements

- *Report on MVC vs. Flux architectures received exemplary identification in work-report writing course taken by 1500+ students, 2020*
- John Terrence Flanagan Engineering Scholarship, *2018*

Education

Bachelor of Computer Science – University of Waterloo   2018 – Expected 2023
- **Courses:** Algorithms (**Python**), Sequential Programs (**C++**), Operating Systems (**C**), Data Structures and Data Management, Object-Oriented Software Development (**C++**)