

Stephanie Gu

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Skills

Languages *Swift, Objective-C, C/C++, JSX, CSS*
Frameworks *React, UIKit, Quick, XCTest*

Experience

Autodesk (Plangrid)

San Francisco, CA

MOBILE ENGINEER

Jan. 2020 – Apr. 2020

- Developed and improved high customer value features in the photo gallery for the PlanGrid iOS app using **MVC** and **Flux** architectural patterns in **Swift** and **Objective-C**
- Communicated closely with design and backend to develop filter and sorting feature end-to-end
- Designed efficient architecture of features to ensure performance with large photo libraries
- Wrote unit tests using testing frameworks **Quick** and **XCTest**
- Implemented then wrote tests for same sorting feature in **Android** app using **Kotlin**
- Debugged various problems related to pointers and threads, circular dependencies, UI and more

Osellus Mobile

Toronto, ON

iOS DEVELOPER

May. 2019 – Aug. 2019

- Worked closely with CTO to make significant contributions to the company flagship app using **Swift**
- Designed the implementation of new chat feature and took full ownership of its development
- 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
- Communicated with web API for user authentication and data storage

stephaniegu.me – **React, JSX** – <https://github.com/stephaniegu4/PersonalWebApp>

- Designed and implemented a single page web app using **React**, and **CSS**
- Used **axios** to communicate with backend **PHP** script to send emails through contact form

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

Candidate for Bachelor of Computer Science – University of Waterloo

2018 – Present