Gabriel Siu

3A Computer Engineering

gabrielsiu.com
github.com/gabrielsiu
linkedin.com/in/gabrielsiu
gcsiu@uwaterloo.ca
(647) 629-9162

SKILLS

Languages	Swift // Objective-C // Go // C/C++ // JavaScript // HTML // CSS/SCSS
Frameworks & Tools	CocoaPods/SPM // Xcode // SQLite // Node.js // Express
Technologies	Git // REST // GraphQL

RELEVANT EXPERIENCE

Mobile Developer - iOS // TD Bank Group   *Sept. 2020 – Dec. 2020*
Toronto, ON
- Developed features for the iOS TD Canada app using **Swift & Objective-C**
- Built data sources to be leveraged by reusable components for upcoming features
- Implemented a POC for a refactor of the TD Canada app with iPad-specific layout and features in a small team
- Collaborated with cross-functional teams to ensure consistency in UI and UX design

iOS & Back-End Developer // ZeMind Studios   *Jan. 2020 – Apr. 2020*
Toronto, ON
- Developed features in **Swift & Objective-C** and integrated **Firebase Analytics** for multiple client apps
- Implemented features and bug fixes in **Go** for client apps' **REST API** servers, and tested my work using **Postman**
- Researched and built an MVP centred around **Core Bluetooth** for an upcoming client app
- Created a mobile arcade game "Tinge Cringe" in a small team from scratch using **Flutter**, and helped release it on the Apple App Store and Google Play Store

Mobile Developer - iOS // Clearbridge Mobile   *May 2019 – Aug. 2019*
Vaughan, ON
- Developed a **CocoaPods framework** for use in current & future client apps, and wrote **unit tests** using XCTest to provide over 80% code coverage
- Integrated Google's Interactive Media Ads iOS SDK in an existing client app as a proof-of-concept
- Implemented bug fixes in client apps using **Swift & Objective-C**, and performed code reviews for co-workers' PRs
- Clients included NBC, Purolator, Dynacare, and more

PROJECTS

pocket.gg App   *Present*
- Developing an iOS mobile client for the smash.gg website in **Swift**, using **Swift Package Manager** for dependencies
- Leveraged smash.gg's **GraphQL API** to retrieve relevant tournament information based on user preferences
- Built a custom bracket view from scratch, capable of displaying both elimination and round-robin brackets
- Created 100% of the views **programmatically**

StickyNote Tweak   *Apr. 2020 – May 2020*
- Developed an iOS runtime modification in **Objective-C** which adds a virtual sticky note to a device's lock screen
- Implemented data persistence using NSUserDefaults, and included extensive customization options for the sticky note
- Released the tweak on the Twickd repository, where it has gained **over 7,000 downloads**

EDUCATION

University of Waterloo   *Sept. 2017 – Present*
Candidate for BASc in Computer Engineering, Honours, Co-op