Sophie Berger

+1 (236) 862-3848
berger.m.sophie@gmail.com

Computer Science student at UBC with Android, iOS, and AR development experience
Microsoft Imagine cup Regional Finalist, and Hackathon winner

linkedin.com/in/sophiemb
github.com/SophieMBerger
sophiemberger.github.io/

"Strength Insight Report" (from Gallup / CliftonStrengths): Achiever, Strategic, Learner, Futuristic, Focus

Skills

Proficient: Java (5 yrs), Swift (2 yrs), Firebase, ARKit
Familiar: Kotlin, Python, Unity, Tensorflow, HTML, CSS

Experience

Tailored Apps   05/ 2019 – 07/ 2019
iOS Software Developer Intern
- Implemented **Firebase** authentication/Cloud Functions
- Added **AR** and object recognition using **ARKit**
- Parsed Json from a database for in-app deep links
- Serialized data using the Codable protocol
- Localized UI using a Fastlane Google-Sheet plugin
- Helped the CTO estimate the time effort/pricing of a Machine Learning project

Competitions

Microsoft Imagine Cup   05/ 2019
Americas regional final
(bit.ly/imaginenekotap)
- In top 12 teams out 30,000+ participants in the Americas
- Presented at the Microsoft Build conference
- Same as "nekoTap" project below

2nd place at social-good hackathon   05/ 2019
During Imagine cup at Microsoft
(github.com/SophieMBerger/VaxEzy)
- Android application for digital vaccination records which are populated by recognizing text from receipt images
- Implemented camera functionality and local storage of images using **Java**

1st place at nwHacks with "nekoTap"   01/ 2019
Western Canada's largest Hackathon (1000+ participants)
(devpost.com/software/nekotap)
- Android app for improved drug adherence using NFC technology to receive tailored drug information

- Designed animations using Lottie library and implemented Android front-end using **Java** to increase usability/accessibility within the app

Education

BSc in Computer Science   09/ 2018 – 12/ 2022
+ Master of Management: 09/ 2018 – 12/ 2023
- Average = 86.2%, Dean's honor list
- Relevant courses: Models of computation, Software construction

"Java Foundations Certified Junior Associate"   03/ 2017
Awarded by Oracle University
- Completion of **Java** online certification

Selected projects

Soil TopARgraphy   10/ 2018 – Present
Android & Unity Developer for UBC Launchpad
(eml.ubc.ca/projects/soil-topargraphy/)
- Created an **AR** app using **Unity, Kotlin** and **Java** for Dr. Maja Krzic's soil science class at UBC
- Created Android front-end using **Kotlin** and **Java**
- Added UI features to custom **AR** map in **Unity**
- Offers more engaging education to 250+ students in the above class
- Utilized Google Maps Android SDK for location
- Presented at "Multidisciplinary Undergraduate Research Conference" at UBC

Google NIMA in TensorFlow Lite   07/ 2019
Proof of concept for TailoredApps
(bit.ly/TFLiteGoogleNIMA)
- Converted existing "Neural Image Assessment" models to **TensorFlow Lite** models using **Python**
- Developed an iOS project to rank images and determine the "best" overall image using **Swift**

Community Involvement

Microsoft Student Partner (MSP)   09/2019 - Present
Microsoft
- Represented Microsoft and educated about technology on social media/my university campus