

Sophie Berger

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

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“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

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