

# Sophie Berger

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

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[sophiemberger.github.io/](https://sophiemberger.github.io/)

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

## Skills

**Proficient:** Java, Swift, Firebase, ARKit  
**Familiar:** Kotlin, Python, Unity, Tensorflow, Azure, Alamofire

## Experience

**Tailored Apps** 05/ 2019 – 07/ 2019

iOS Software Developer Intern

- Implemented **Firestore** 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

## Competitions

**Microsoft Imagine Cup** 05/ 2019

Americas regional final

([bit.ly/imaginenekotap](https://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

**2<sup>nd</sup> place at social-good hackathon** 05/ 2019

During Imagine cup at Microsoft

([github.com/SophieMBerger/VaxEzy](https://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**

**1<sup>st</sup> place at nwHacks with “nekoTap”** 01/ 2019

Western Canada’s largest Hackathon (1000+ participants)

([devpost.com/software/nekotap](https://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/accessability** within the app

## Education

**BSc in Computer Science: 1<sup>st</sup> year** 09/ 2019 – 05/ 2022

+ **Master of Management:** 09/ 2019 – 05/ 2023

- Average = 86.2%

**“Java Foundations Certified Junior Associate” title** 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/](https://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

**“Minnie vs. sheep”** 05/ 2019

Personal project

([github.com/SophieMBerger/Minnie-vs-Sheep](https://github.com/SophieMBerger/Minnie-vs-Sheep))

- Implemented a **Tensorflow** **machine-learning** model
- Retrained** a the **image classifier** using **Python**, to distinguish between images of my cat and sheep

## Community Involvement

**Mentor** for Technovation challenge 01/ 2019 – Present

- Provided technical feedback, teamwork guidance, and motivation for two middle-school girls