Sophie Berger

BSc in Computer Science and Masters of Management student at UBC
Android, iOS, Web and AR experience
Microsoft Imagine cup Regional Finalist, Startup Equity Owner

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

Skills

Proficient: Python, Java, Swift, SwiftUI, Firebase, ARKit, React
Familiar: C, C++, Kotlin, JavaScript, Tensorflow, HTML, CSS

Experience

HCI Undergraduate Researcher   03/ 2020 – 08/ 2020
USRA/SURE awards through UBC
- Grounded-theory methodology
- Support systems for elderly during COVID-19
- Supervised by Prof. Dongwook Yoon

Equity-owner of "Mindset" startup 10/ 2019 – Present
Founding iOS Engineer
(https://mindsetapp.co.uk/)
- Front-end development on dementia screening iOS app using **Swift/SwiftUI**
- Analyzed iOS UI/UX compatibility
- Implemented number recognition OCR dementia test, using **Swift/SwiftUI**

Tailored Apps   05/ 2019 – 07/ 2019
iOS Software Developer Intern
- Built proof-of-concept for €30,000 project deal
- Helped CTO estimate project feasibility/pricing
- Implemented **Firebase** authentication/Cloud Functions
- Added **AR** and object recognition using **ARKit**

Competitions

Microsoft Imagine Cup Regional Finalist   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

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, implemented Android front-end using **Java** to increase accessibility within the app

Education/Courses

BSc in Computer Science	09/ 2018 – 12/ 2022
+ Master of Management:	09/ 2018 – 12/ 2023

- Average = 83.5%, Dean's honor list
- Relevant courses: Models of computation, Software construction, Introduction to Computer Systems, Basic Algorithms and Data Structures

"Java Foundations Certified Junior Associate" - *Oracle University*	03/ 2017
"Machine Learning" – Stanford (Coursera)	*06/ 2020*

Selected projects

"Central: Parking Search"   05/2020
Published iOS app in Apple App Store
(https://apple.co/2WixQEL)
- Featured 1500+ times in "Navigation" category
- Ranked 87th best "Navigation" app in Austria
- Finds best parking location given destinations
- Built with **Swift/SwiftUI, MapKit** & **CoreLocation**

Soil TopARgraphy   10/ 2018 – 09/2019
Android & Unity Developer for UBC Launchpad
(eml.ubc.ca/projects/soil-topargraphy/)
- Presented at UBC "MURC" Conference
- **AR** app for Dr. Maja Krzic's soil science class at UBC (250+ students)
- Created Android front-end using **Kotlin** and **Java**
- Utilized Google Maps Android SDK for location

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 iOS project, using **Swift**, to rank images / determine the "best" overall image

Community Involvement

nwPlus Engagement Coordinator   04/ 2020- Present
- Organizing three hackathons, including Western Canada's largest hackathon ("nwHacks")
- Collaborating with organizers, businesses, hackers

Microsoft Student Partner (MSP)   09/2019 - Present
- Represent Microsoft and educate about technology