Sophie Berger

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

Contact

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Skills

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

Education

University of British Columbia
BSc Computer Science
09/ 2018 – 12/ 2022
+ Master of Management
09/ 2018 – 12/ 2023

- Average = 83.5%, Dean's honor list

Involvement

nwPlus Engagement Coord.
04/ 2020- Present

- Marketing for three hackathons, including Western Canada's largest hackathon ("nwHacks")

Microsoft Student Partner
09/2019 - Present

- Hold workshops about technology & Microsoft products

Work Experience

HCI Undergraduate Researcher   03/ 2020 – 08/ 2020

- **Grounded-theory research** for technology support systems for elderly during COVID-19
- Supervised by Prof. Dongwook Yoon

Founding iOS engineer of "Mindset" startup   10/ 2019 – Present
(https://mindsetapp.co.uk/)

- Top 5 health apps on UK app store, Featured on BBC and Sky News
- Front-end development on AI dementia screening iOS app using **Swift/SwiftUI**
- Implemented number recognition OCR dementia test, using **Swift/SwiftUI**
- Validated the collected user data and prepared it for ML use

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
- Developed **Swift** project to rank images & determine the "best" image
- Converted "Image Assessment" models to **TensorFlow Lite** in **Python**
- Implemented **Firebase** authentication/Cloud Functions
- Added **AR** functionalities & object recognition using **ARKit**

Selected Projects

Microsoft Imagine Cup Americas Regional Finalist   05/ 2019
(devpost.com/software/nekotap) (bit.ly/imaginenekotap)

- In top 12 teams out 30,000+ participants & Presented at Microsoft Build
- 1st place at *Western Canada's largest Hackathon (1000+ participants)*
- Android app for improved drug adherence using **NFC** technology
- Designed accessibility animations using Lottie library, implemented Android front-end using **Java**

"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 a collection of 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
- Android **AR** app for Dr. Maja Krzic's APBI200 class (250+ students)
- Implemented Google Maps Android SDK for location using **Kotlin** & **Java**