**Anderson Hsieh**

[h2hsieh@uwaterloo.ca](mailto:h2hsieh@uwaterloo.ca) | (+1)2262014836 | GitHub: [AndersonHsieh0330](https://github.com/AndersonHsieh0330/Sunday_EmotionRecorder) | LinkedIn: [Anderson Hsieh](https://www.linkedin.com/in/anderson-hsieh-6003a41ba/)

**Skills**

* **Technical:** Native Android, Espresso, Spring Boot, React, React Native, MySQL
* **Programming languages:** Java, Kotlin, SQL, JavaScript, HTML, CSS
* **Other:** Git**,** Agile Development: Scrum, Public speaking**,** Network knowledge,

**Projects**

**WMMA\_WhereMyMoneyAt : Full Stack CRUD Application** [**AndroidApp**](https://github.com/AndersonHsieh0330/WMMA_WhereMyMoneyAt_AndroidApp)[**RestAPI**](https://github.com/AndersonHsieh0330/WMMA_WhereMyMoneyAt_RestAPI)[**Figma**](https://www.figma.com/file/NCkRbpFwAn2nk8ZR2nK5e7/WMMA_WhereMyMoneyAt)

* Allow user to read, add, delete and update money transaction data entries.
* Built RestAPI with spring boot connected to a remote PostgreSQL database(Heroku Postgres), following the three layer architecture: Service, Repository and Data Access Layer.
* Developed front end portion on Android using Retrofit, Lifecycle components, cache data with SQLite and Room, following the MVVM architecture.

**Wat2Eat : Food Places In Your Area** [**Github**](https://github.com/AndersonHsieh0330/Wat2Eat)[**GooglePlay**](https://play.google.com/store/apps/details?id=com.andyh.wat2eat)[**Figma**](https://www.figma.com/file/rGpGtZTBn2PRsM8Y1U5fIi/Wat2Eat)

* Developed to help people find food options around them in a touch, available on Google Play.
* Fetching and Displaying restaurant data and photos from Google Places API with Volley and Glide.

**HelpMe (HackTheNorth 2021 Fall) : Charities That Fits Your Need** [**Github**](https://github.com/AndersonHsieh0330/HelpMe-HacktheNorth-2021)[**Devpost**](https://devpost.com/software/helpme-n5w3hg)

* React Native app developed for people in need to find charities around them that fits their needs.
* Took responsibility in building the UI with JSX and implementing Firebase Google Login.

**VolleyTools: Volleyball Score Board** [**Github**](https://github.com/AndersonHsieh0330/VolleyTools)

* Implemented Firebase Google login and saving user’s match histories in Firebase realtime database.

***Sunday:* *Emotion Tracker*** [***Github***](https://github.com/AndersonHsieh0330/Sunday_EmotionRecorder)

* Allow user to add and read recorded past emotions records by color of the lightbulb while sending notifications with action buttons to remind user to record their moods.

**Experience**

***Assistant Engineer, KKStream Limited*** Taipei City, Taiwan, August 2021 – December 2021

* Restored Android automation testing environment with Espresso, PageObject Models, Jenkins and time after work hours, optimized testing efficiency by over 30 percent.
* Created documentation and give verbal instructions about the Android automation framework to other interns.
* Shipped two new features while taking full charge of all associated testings, optimized usage data on the two modules and user flow.

***Test Engineer Intern, Barco N.V*** New Taipei City, Taiwan, December 2020 - April 2021

* Collaborated with DevOps engineer to bring network authentication testing environment (802.1X) into the System Validation team using Free RADIUS server on Linux, improved accuracy and efficiency of associated testings.
* Lead and trained interns for testing concepts with solid knowledge in computer networking, double training efficiency of new interns.

***Childcare Volunteer, Chang Gung Memorial Hospital*** Taipei, Taiwan, July 2018 - August 2019

* Supported relatives of over 50 child patients Relieved stress of parents and children by accompanying and consoling them in times of grief, navigating them through their illnesses.

**Awards**

* 2020 Engineering International Student Scholarship: CAD$10000
* 2018, 2019 Claremont Secondary School: 2 time BC Highschool Volleyball Provincial Bronze Medalist

**Education**

**Candidate for Bachelor of Applied Science, Computer Engineering, University of Waterloo**

Waterloo, Ontario, September 2020 - April 2025 GPA: 3.38/4.0