

Anderson Hsieh

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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](#) [RestAPI](#) [Figma](#)

- 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](#) [GooglePlay](#) [Figma](#)

- 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](#) [Devpost](#)

- 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](#)

- Implemented Firebase Google login and saving user's match histories in Firebase realtime database.

Sunday: Emotion Tracker [Github](#)

- 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