

Anderson Hsieh

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Skills

- **Technical:** Native Android, Espresso, Spring Boot, MySQL, React, React Native,
- **Programming languages:** Java, Kotlin, SQL, JavaScript, HTML, CSS, C++
- **Other:** Git, Agile Development: Scrum, Public speaking, Computer Networks

Projects

WMMA_WhereMyMoneyAt : Full Stack CRUD Application | [Github: AndroidApp](#) | [Github: RestAPI](#) | [Figma](#)

- Allow user to read, add, delete and update money transaction data entries.
- Back end: Built RestAPI with Spring Boot connecting to a remote PostgreSQL database, following the three layer architecture: Service, Repository and Data Access Layer.
- Front end: Built Android app using Retrofit, Lifecycle components, SQLite and Room for local data cache, following the MVVM architecture with dependency injection.

Wat2Eat : Food Places In Your Area | [Github](#) | [GooglePlay](#) | [Figma](#)

- A Native Android App 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 they need around them.
- 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.

RatesUp : Currency Converter with History Records | [Github](#)

- A Native Android App that helps you do currency conversions while showing the up and down flow for the last
- Fetching data from [freecurrencyapi](#) with Retrofit and Kotlin Coroutine, implement dependency injection with Hilt.

Experience

Assistant Engineer, KKStream Limited | Taipei City, Taiwan

Aug 2021 - Dec 2021

- Restored Android UI automation testing with Espresso, PageObject Models, Jenkins and time after work hours, optimized testing efficiency by over 30 percent.
- Shipped two new features while taking full charge of all associated testing, increased user access on the two related modules by 10 percent.

Test Engineer Intern, Barco N.V | New Taipei City, Taiwan

Dec 2020 - Apr 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 | Taoyuan, Taiwan

July 2018 - Aug 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

- **Engineering International Student Scholarship: CAD\$10000** | University of Waterloo Sep 2020
- **2 time BC AAA Highschool Volleyball Provincial Bronze Medalist** | Volleyball Canada Dec 2018, Dec 2019

Education

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

Sep 2020 – Apr 2025

- ECE 250 Data Structure and Algorithms, ECE 150 Fundamental of Programming, ECE 124 Digital Circuits and Systems
- GPA: 3.38/4.0