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, Computer Networks, Public Speaking, Child Care and Teaching

Projects

WMMA_WhereMyMoneyAt : Full Stack CRUD Application | Github: AndroidApp | Github: RestAPI | Figma
- Features include to read, add, delete, and update money transaction entries.
- Built RestAPI with Spring Boot connected to a remote PostgreSQL database, following the Service, Repository and Data Access Layer architecture
- Constructed native Android app using Retrofit, Lifecycle components, SQLite and Room for local data cache, and 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, available on Google Play.
- Fetching and Displaying restaurant data along with photos from Google Places API with Volley and Glide.

VolleyTools : Volleyball Score Board | Github
- Motivated by my passion of volleyball and developed to help recreational events run smoother.
- Implemented Firebase Google login that saves user's match histories in Firebase Realtime Database.

HelpMe (HackTheNorth 2021 Fall) : Charities That Fits Your Need | Github | Devpost
- React Native app that finds nearby NGOs tailored toward user's information. NGOs info obtained from Charity Navigator API.
- Responsible for implementing the UI with JSX and Firebase Google Login.

RatesUp : Currency Converter with History Records| Github
- A Native Android App that does currency conversions while displaying the rate changes for the last three months.
- Fetch data from freecurrencyapi with Retrofit and Kotlin Coroutine, and apply dependency injection with Hilt.

Experience

Assistant Engineer, KKStream Ltd. | Taipei City, Taiwan   Aug 2021 - Dec 2021
- Restored Android UI automation testing with Espresso, PageObject Models and Jenkins, optimized testing efficiency by over 30 percent.
- Shipped two new features on Mobile Music app used by 3.5 million Japanese while taking full charge of all associated testing, increased user traffic of the two modules by 10 percent.

Test Engineer Intern, Barco N.V | New Taipei City, Taiwan   Dec 2020 - Apr 2021
- Collaborated with DevOps engineers to bring network authentication testing environment (802.1X) into the System Validation team using Free RADIUS server on Linux. Also include creating documentations and tutorial demonstrations, saved the team over 2 weeks of learning time.
- 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, and navigating them through their illnesses.

Awards

- **Engineering International Student Scholarship: CAD$10000** | University of Waterloo   Sep 2020
- **Two consecutive 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   GPA 3.38 / 4.0