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 | AndroidApp | 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
- 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.

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.

Education

Candidate for Bachelor of Applied Science, Computer Engineering, University of Waterloo   Sep 2020 – Apr 2025
- GPA: 3.38/4.0
- 2020 Engineering International Student Scholarship: CAD$10000