Kai Yi LEE

Email: <*kaiyi.lee@u.nus.edu*>

Skype ID: lee-kai-yi

Github: <*https://github.com/kaiyisg/*> | Portfolio <*https://goo.gl/0pA1aB*>

Java, Android, Javascript, HTML, CSS, C++, C, Python, Unix, Node, Circuit Design

Work Experience

IQUII Società a Responsabilità Limitata (S.r.l.), Rome, Intern   **May 16 – Aug 16**
- Developed and tested the RESTful, MVP-tiered Android applications Runrace and Giveaway, with integration of multiple APIs, keeping pace with the company's roadmap
- Deployed the Android application Runrace in a tight 6 week deadline
- Assisted in wire-framing core features for future Android applications based on client requirements

Defence Science Organization (DSO), Singapore, Intern   **Jan 14 – Jun 14**
- Designed and built a pocket spectrum analyser with USB protocols linking to an Android Front-end
- Executed internal market analysis of the potential time and cost savings of the pocket spectrum analyser, documenting implementation, and pitching it to department heads
- Conducted case studies on reception of GPS signals with different types of RFI interference

Projects

ExchangeBuddy   <*https://app.exchangebuddy.com*>   **Sep 16 - Present**
- Designed and developed a web application to connect students on international student exchange programs, and for students to share content with each other.
- The project was featured on local media like Zaobao, and endorsed by schools like the Warsaw School of Economics, Victoria University of Wellington, and National University of Singapore
- Project awarded National University of Singapore's Innovation and Entrepreneurship Practicum Award

Dropin   <*https://github.com/leonmak/dropin-react-create-app*>   **Aug 16 - Sep 16**
- Designed and developed a location-based chatting application for users to meet new friends, know more, and explore their surroundings
- Prototyped high fidelity mockups, and implemented the React Front-end for said application, and deployed security architecture to defend against SQLi, CORS and XXS vulnerabilities

Wearable Fall Detection System   **Aug 16 – Present**
- Interfaced with the Angel Sensor, an open-sourced wearable device, through the bluetooth protocol
- Sanitized and combined readings through Android devices on a server for large scale fall detection

Education

National University of Singapore (NUS), Singapore   **Aug 14 - Present**
- Bachelor of Engineering (Electrical Engineering), Honours (Course details)
- Global Engineering Program Scholarship, awarded to top Engineering students who complete a 3 year accelerated engineering degree with global perspectives and industry exposure. (GPA 4.63)

Co-curricular Activities

National University of Singapore (NUS) Activities
- Vice Chairperson, Sheares Hall Block Committee   **May 15 - Dec 15**
- Director of Events, Global Engineering Program Committee   **Sep 14 - Dec 15**
- Science Projects Head, Project Love Dalat   **Feb 15 - May 15**
  (Overseas Community Involvement Project), Vietnam

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