Kai Yi Lee

http://www.kaiyilee.com
kaiyi.lee@u.nus.edu | 650.495.4534

EDUCATION

NATIONAL U. OF SINGAPORE
BEng in Electrical Engineering
Expected Aug 2018 | Singapore
NUS Overseas Colleges, Silicon Valley
CAP: 4.59 / 5.0

STANFORD UNIVERSITY
Stanford Center for Professional Development
Expected Dec 2017 | Stanford, CA

KTH ROYAL INSTITUTE OF TECH
Student Exchange Program
Fin. Jun 2016 | Stockholm, SE

LINKS

Github:// **kaiyisg**
LinkedIn:// **kai-yi-lee**

COURSEWORK

SOFTWARE ENGINEERING
Software Product Eng. for Digital Markets
Developing Mobile Applications
(Taken at KTH Royal Institute of Tech)
Software Engineering

COMPUTER SECURITY
Computer and Network Security
(Taken at Stanford University)

DEEP LEARNING
Introduction to Fuzzy / Neural Systems

HARDWARE SYSTEMS
Programming for Computer Interfaces
Computer Systems Architectures
(Taken at KTH Royal Institute of Tech)

CIRCUITS & SIGNALS
Circuit and Systems Design Lab
Digital Fundamentals
Signals and Systems

SKILLS

Proficient:
Java • Android • Python • Javascript
Circuit Design • CSS • HTML • React
Familiar:
Assembly • Spark • LaTeX • C • C++
Matlab • Arduino • Ruby on Rails • SQL

EXPERIENCE

UPGUARD, INC. | Software Engineering Intern
Expected June 2017 – Dec 2017 | Mountain View, CA
- Contributed to Procedures, a core feature that checks configurations in enterprise IT systems, using web frameworks of ReactJS and Ruby on Rails

EASILYDO, INC. | Software Engineering Intern
Jan 2017 – May 2017 | Cupertino, CA
- Built a new native login flow for the core application Email on Android, which has up to 500,000 current downloads
- Preprocessed data and built models for a NLP feature using neural networks
- Ensured quality of big datasets through flagging actionable anomalies

IQUII S.R.L. | Android Engineering Intern
May 2016 – July 2016 | Rome, Italy
- Developed and tested Android applications **RunRace** and **Giveaway**, keeping the company on task with their roadmap
- Assisted in wireframing core features for future Android applications

DSO NATIONAL LABORATORIES | Engineering Intern
Jan 2014 – Jun 2014 | Singapore
- Built a pocket spectrum analyser linked to an Android App through USB OTG
- Executed internal market analysis of the potential time and cost savings of the pocket spectrum analyser, and pitched the product to department heads

PROJECTS & RESEARCH

EXCHANGEBUDDY | Frontend Developer
Sep 2016 – Dec 2016 | Singapore
Designed and developed a web application to share content and connect with other students on international student exchange program in ReactJS. Project was featured on local media **Zaobao**, endorsed by the **Warsaw School of Economics** and awarded the **Entrepreneurship Practicum Award** from NUS.

NUS COMM. & NETWORKING LAB | Undergraduate Researcher
Aug 2016 – Dec 2016 | Singapore
Worked with **Prof Mehul Motani** to build a wearable fall detection device to serve Singapore's aging population. Interfaced with BLE-enabled wearables to collect data.

AWARDS

2017	Top 8 Finalists	Treehacks 2017
2017	1st	Best Overall Use of Microsoft Technology, Treehacks 2017
2016	3rd	9th STEPS, CS3216 category (**ExchangeBuddy**)
2015	College	NASA Exchange Scholarship
2014	College	Global Engineering Program Scholarship

ACTIVITIES

2015	Vice Chairperson	Sheares Hall Block Committee
2015	Director of Events	Global Engineering Program Committee
2015	Subject Head	Project Love Dalat (Overseas Community Project)