

# Kai Yi Lee

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## EXPERIENCE

### UPGUARD, INC. | SOFTWARE ENGINEERING INTERN

Expected June 2017 – Dec 2017 | Mountain View, CA

- Extended the core feature **Procedures** using ReactJS and Ruby on Rails, increasing test coverage by 1.5x through RSpec and Jest
- Built Change Report using ReactJS and Golang from the ground up as a microservice, communicating to the main service through NSQD

### EASILYDO, INC. | SOFTWARE ENGINEERING INTERN

Jan 2017 – May 2017 | Cupertino, CA

- Built native login flow for core product **Email**, receiving 500,000 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**
- 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

Prototyped and built a mobile friendly web app to share content and connect with other students on student exchange programs in ReactJS. Project was featured on local media **Zaobao**, endorsed by **other colleges**, and awarded a **grant from NUS**.

### NUS COMM. & NETWORKING LAB | UNDERGRAD RESEARCHER

Aug 2016 – Dec 2016 | Singapore

Worked with **Prof Mehul Motani** to build a wearable fall detection device to serve Singapore's aging population. Collected data through BLE wearables.

## AWARDS

|      |                 |   |
|------|-----------------|---|
| 2017 | Top 5 Finalists | APIWorld 2017   |
| 2017 | Top 8 Finalists | Treehacks 2017  |
| 2017 | 1 <sup>st</sup> | Best Use of Microsoft Technology, Treehacks                     |
| 2016 | 3 <sup>rd</sup> | 9 <sup>th</sup> STEPS, CS3216 category ( <b>ExchangeBuddy</b> ) |
| 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) |

## EDUCATION

### NATIONAL U. OF SINGAPORE

BENG IN ELECTRICAL ENG.

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

STUDENT EXCHANGE PROGRAM  
Fin. Jun 2016 | Stockholm, SE

## LINKS

Github:// [kaiyisg](#)  
LinkedIn:// [kai-yi-lee](#)

## COURSEWORK

### SOFTWARE ENGINEERING

Software 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 & SIGNALS

Circuit and Systems Design Lab  
Digital Fundamentals  
Signals and Systems  
Programming for Computer Interfaces  
Computer Systems Architectures

## SKILLS

Proficient:

Java • Android • Golang • Javascript  
Ruby on Rails • CSS • HTML • React

Familiar:

Assembly • Spark •  $\LaTeX$  • C • C++  
Matlab • Arduino • Circuit Design  
Postgresql • Python • Docker