

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

STAFFANY | CHIEF PRODUCT OFFICER & SOFTWARE ENGINEER

Aug 2017 – Present | San Francisco, CA

- Prototyped and designed core web product using Sketch and InVision
- Developed Employee Scheduler feature using NodeJS and ReactJS

EDISON, 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
- Sieved out actionable anomalies via Apache Zeppelin which led to closed deals

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 spectrum analyser app on Android through USB OTG to a dongle
- Executed internal market analysis of potential time and cost savings

PROJECTS & RESEARCH

EXCHANGEBUDDY | FRONTEND DEVELOPER

Sep 2016 – Dec 2016 | Singapore

Prototyped and built a mobile friendly web app 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	1 st	Best Use of Microsoft Technology, Treehacks
2016	3 rd	9 th STEPS, CS3216 category (ExchangeBuddy)
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

Intro 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
Sketch • InVision • NodeJS