

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

PARTLY | CHIEF PRODUCT OFFICER & SOFTWARE ENGINEER

Aug 2017 – Present | San Francisco, CA

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

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

Sketch • InVision • NodeJS