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

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

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

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	1st	Best Use of Microsoft Technology, Treehacks
2016	3rd	9th 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
B. Eng in Electrical Eng.
NUS Overseas Colleges, SV
Expected Aug 2018 | Singapore
CAP: 4.59 / 5.0

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

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

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