

# Si Kai NG

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Java, Salesforce APEX, Python, Javascript, HTML, CSS, MySQL, Vue.js, Express, UNIX, DevTools, Haskell, PL

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## Professional Experience

### GovTech Singapore, Software Engineering Intern, Singapore

Dec 2017 – Jan 2018

- Worked on an Electron application that acted as the front end interface of HATS, an open source testing automation tool based on the ROBOT testing framework
- Refactored existing code to ensure more reliable parallel runs of test suites on all major desktop and mobile platforms

### National University of Singapore, Undergraduate Teaching Assistant, Singapore

Aug 2017 – Dec 2017

- Worked with Professor Damith C Rajapakse on CS2103 Software Engineering module
- Led weekly tutorial classes focusing on concepts such as Design Patterns and Agile Workflow.

### LeanData Inc, Software Engineering Intern, Sunnyvale CA

Aug 2016 – Jul 2017

- Built an interactive web application with graphing capabilities on Salesforce with the help of Backbone, JointJS and jQuery.
- Modularised legacy code and adopted Webpack, decreasing number of HTTP requests on page load from 70 to 2.
- Decreased page load time by 10x using caching and asynchronous techniques.

### DSO National Laboratories, Software Engineering Intern, Singapore

May 2016 – Jul 2016

- Designed and implemented a retrieval system for high resolution video files using Apache Solr.
  - Made use of PyQt to create a platform-independent GUI for operators to perform indexing.
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## Education

### National University of Singapore (NUS)

Aug 2014 – Current

Bachelor of Computing in Computer Science (CAP 4.33)

### Stanford University

Aug 2016 – July 2017

Management Science and Engineering

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## Leadership Experience

### President of TCrew, Tembusu Residential College Dance Group

- Successfully trained and coordinated a dance routine for 28 dancers, representing Tembusu College and NUS in a performance for NUS Open Day 2015.

### Deputy Director of Academic Liaison Cell, NUS Computing Club

- Bridged communication between the student body and faculty for matters pertaining to academic welfare.
  - Held introductory workshops on Java and Unix during the winter break of 2014.
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## Past Projects

### Pear

- Pear is a matchmaking application built as the final project of CS3216 module where we marketed the product and attracted real users. Managed to win Overall 2<sup>nd</sup> place for 11<sup>th</sup> STEPS. It is available on Web, Android and iOS. Built with Vue.js, Quasar Framework, Cordova and Node.js

### Quack

- Quack is a location-based chat application aimed to connect strangers who are near each other geographically. Built as a Progressive Web Application using Vue.js and achieved a Lighthouse score of over 90
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