

Si Kai NG

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Java, Python, Salesforce APEX, Javascript, HTML, CSS, Ruby on Rails, UNIX, Chrome DevTools

Professional Experience

LeanData Inc, Software Engineering Intern, Sunnyvale CA

Aug 2016 – Current

- 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.

First Code Academy, Lead Instructor Intern, Singapore

Dec 2015 – Mar 2016

- Taught school children of ages 8-12 app programming using online tool MIT App Inventor, which has a block programming interface and builds into APK files.
- Taught basic hardware circuitry using educational tools MakeyMakey and LittleBits.

Education

Stanford University

Aug 2016 – Current

Management Science and Engineering

National University of Singapore (NUS)

Aug 2014 – Current

Bachelor of Computing in Computer Science (CAP 4.3)

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

- Acted as the bridge of communication between the student body of approximately 400 students and faculty members for matters pertaining to academic welfare.
- Held introductory workshops on Java and Unix during the winter break of 2014.

Past Projects

CultureByte

- Responsive web application which enables location-based discovery of cultural facts and anecdotes. Built with React and MeteorJS. Check it out at: culturebyte.me

Choosy

- Interactive platform for users to seek second opinions in their everyday decisions. Developed with Ruby on Rails as part of the NUS Orbital Programme 2015. Check it out at: choosyweb.herokuapp.com

Flexi-List

- Platform-independent task management application built on Java and JavaFX as part of a software engineering module in National University of Singapore
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