

Software Experience

SOFTWARE ENGINEERING INTERN

VIDDSEE

DEC 2015 - JAN 2016

- Built email newsletter campaign manager for our internal dashboard. The editorial team can search and embed multiple video links from our database, have live preview of how the newsletter looks like and manage past campaigns. Used Backbone with Marionette.
- Developed a Facebook post manager to help the team manage and schedule Facebook posts across our four Facebook pages in multiple languages, which was done manually previously.

SOFTWARE ENGINEERING INTERN

VISENZE

MAY 2015 - AUG 2015

- Key player in developing ViSenze's new visual recognition API for video and images.
- Heavily involved in the backend architecture (except for vision algorithms) - from REST API handling and authentication to extraction and detection of scene transitions.
- Reduced processing time by several factors when handling multiple image recognition categories by parallelizing processing.
- Developed entire suite of integration and stress tests. TestNG, JMeter, Python.

SOFTWARE ENGINEERING INTERN

BERNER INTERNATIONAL

FEB 2014 - AUG 2014

- Developed iOS app to interface wirelessly with air curtains. Features: Display notifications, control fan speed, heater temperature, authenticate air curtain. Objective-C, HTML, CSS, JavaScript.
- Built automated email reporting system with monthly energy savings calculation. Python.

Education

NATIONAL UNIVERSITY OF SINGAPORE

AUG 2011 - MAY 2016

B.Eng (Honors) in Computer Engineering with Minor in Technopreneurship

STANFORD UNIVERSITY

JUL 2013 - JUL 2014

One year exchange as part of the NUS Overseas Colleges Program

Projects

BlockOut. A neighborhood-based chat group with event sharing features. Built in 2 days for the HDB Cool Ideas Hackathon.

NUS Collaboration Tool. Team collaboration software with GitHub and Google Docs integration. Features include search, collaborative to-do list, GitHub and Google Drive integration. Real-time web application built on Node.js and React.

Find My Way. An embedded system using Arduino and Raspberry Pi to help the blind navigate indoors. This project is done with five other classmates and I am in charge of the software aspect.

Awards

Keppel Group Scholarship (2011 - 2014), Sheares Hall Award (14/15)

Programming Languages

Most experience with Python and JavaScript. Some experience with Java, C++ and C. Dabbled with ARM Assembly, VHDL, Matlab and PHP.

Non-academic Activities

NUS Entrepreneurship House Resident Assistant. Co-founder and vice-chairperson, Sheares Youth Expedition Project. Sheares Hall Touch Rugby, Sheares Link Marketing Committee