

Suresh Alse

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA

MS IN COMPUTER SCIENCE
Exp Dec 2016 | Los Angeles, CA
GPA: N/A

NATIONAL INSTITUTE OF TECHNOLOGY, KARNATAKA

BTECH IN INFORMATION TECHNOLOGY
May 2014 | Surathkal, India
GPA: 4.0

LINKS

Github:// [alseambusher](#)
LinkedIn:// [sureshalse](#)
Blog:// [lifepluslinux.blogspot.com](#)

SKILLS

PROGRAMMING

Over 10K lines:
Python • JavaScript • C/C++
Over 5K lines:
Java • HTML • CSS
Familiar:
Ruby • PHP • SQL • Bash

WEB TECHNOLOGIES

node.js • webapp2 • django • rails

OTHERS

Android • Spark • Elastic Search

WORK EXPERIENCE

INTUIT INC. | SOFTWARE ENGINEER

August 2014 – August 2015 | Bangalore
Worked on core development of QuickBooks, an accounting software used by several million users all over the world. I efficiently drove several initiatives in QB core.
Tech Stack: C++, C, .NET, MFC, Agile Development.

INTUIT INC. | SUMMER INTERN

May 2013 – July 2013 | Bangalore
Worked with QuickBooks android team and developed a code generator that can generate java code for new features based on old features automatically which in turn reduced development, testing and maintenance time to a great extent.
Tech Stack: Java, SWT, Android.

BILENT | INTERN

Nov 2012 – Dec 2012 |
Worked on Kyash which is an online payment system which helps people to work in mutually beneficial and trusted environment.
Tech Stack: Python, webapp2, Google Appengine.

SELECTED PROJECTS

SEMANTIC TYPING | [github.com/minhptx/RFSemanticTyping](#)

This is a Human Computer Interaction tool in python using which it is possible to control a Linux system using hand gestures. Users can add their own gestures and assign custom actions using a gtk ui. In order to accommodate any gesture defined by the user, I developed a technique to do so and published a paper at ICACCI- 2013.

JARVIS | [github.com/alseambusher/jarvis](#)

This is a Human Computer Interaction tool in python using which it is possible to control a Linux system using hand gestures. Users can add their own gestures and assign custom actions using a gtk ui. In order to accommodate any gesture defined by the user, I developed a technique to do so and published a paper at ICACCI- 2013.

COLUMBUS | [github.com/alseambusher/columbus](#)

A python based service discovery tool using which we can combine web services automatically to perform composite tasks. Using techniques such as web crawling, feature extraction, k-means clustering, a Service dependency graph (SDG) is generated. Composite services are discovered by a search algorithm in this SDG.

SOCIAL EVENT DETECTION | [github.com/alseambusher/SED](#)

I built a python based tool that can automatically detect social events using Multimodal clustering of image data. Using this, events such as FOOTBALL match, birthday party..etc can be automatically detected when a user uploads an image to social media.

PUBLICATIONS

- Alse, S, et al, "A State Transition Based Approach to Recognize Gestures Using Multi-Level Color Tracking", 2nd ICACCI, IEEE International Publishing, 2013, 704-708.
- Alse, S, et al, "A Real Time Multiplayer Gaming Network Platform as a Service", 8th ICCN, Elsevier International Publishing, 2014, Ch 19.
- Alse, S, et al, "Automatic Generation of Web Service Composition Templates Using WSDL Descriptions", 2nd International Conference on Information Systems Design and Intelligent Applications, Springer India, 2015.