

Suresh ALSE

EMAIL: alse@usc.edu

PHONE: (213) 258-7664

BLOG: lifepluslinux.blogspot.com

LINKS: github.com/alseambusher

| linkedin.com/in/sureshalse

| alseambusher.github.io

EDUCATION

DEC 2016	MS, Computer Science University of Southern California , Los Angeles	GPA: 3.65
MAY 2014	BTech, Information Technology National Institute of Technology Karnataka , India	GPA: 4.0

WORK EXPERIENCE

SEP '15 - CURRENT	Student Researcher, Information Sciences Institute Working on a python based REST service for Karma, an information integration tool – to automatically assign semantics to large data sets from heterogeneous sources based on their features using several Statistical and Machine Learning techniques. Tech stack Python, Machine Learning, AI, Flask, Spark, Elastic search.
AUG '14 - AUG '15	Software Development Engineer, Intuit Inc. 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.
MAY - JULY '13	Summer Intern, Intuit Inc. 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 Development.

RELEVANT PROJECTS

- **Pai-deia** | alseambusher.github.io/Paideia | **Java, C++, Android, Deep Learning**
This is a Deep Learning based android app that uses Tensorflow and detects objects around you through camera and maps it into one of the classes in Imagenet and then pulls more information about what the user is seeing from Wikipedia and Wolfram Alpha. The results are also tweaked based on a learning model that monitors user's activity and shows more relevant content over time.
- **Jarvis** | github.com/alseambusher/jarvis | **Python, opencv, gtk**
This is a Human Computer Interaction tool in python using which it is possible to control your 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 state transition based approach to do so and published a paper at ICACCI- 2013.
- **Crontab-ui** | npmjs.com/package/crontab-ui | **JavaScript, node.js**
This is a node.js tool available through npm that can be used to manage cron jobs across systems very easily. With features such as import, export, backup, error logging of jobs, this is an end-to-end tool to manage crontab efficiently. This is being used by over thousand people including several companies.
- **Columbus** | github.com/alseambusher/columbus | **Python, Machine Learning**
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.

TECHNICAL SKILLS

Programming Languages:	Python, Java, JavaScript, C/C++
Web frameworks:	node.js, webapp2, django, React, SASS
Others:	Android, Machine learning, Artificial Intelligence

ACHIEVEMENTS

- Won CalTech's HackTech for Pai-deia.
- Won Visa Data Science Hackathon for credit card fraud analysis and visualization.
- Won Intuit Innovation Challenge for QuickFoods - an app for restaurants to manage their orders efficiently.
- Won third place in India Capture the Flag - an all India hacking contest.