

Sanghee Kim

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- Boulder, CO

Summary

My career objective is to develop a stable software development process and activate the participation of developers by analyzing what they made e.g., software repositories. Also, I enjoy data analysis based on Machine Learning and Natural Language Processing to find information from data.

Skills

- Programming Languages: Python, Javascript(node.js), Bash, Java
- Python Packages: Scikit-learn, IPython, Pandas, Numpy, NLTK, Network X
- Tools: Git, Gerrit, Jenkins, ClearCase
- Operating System: Linux (Debian), Mac OS X, Windows

Education

University of Colorado Boulder, Aug. 2013 - Aug. 2015 (Expected)

M.S., Computer Science

Research Advisor: Prof. Tom Yeh

Inha University, Incheon, South Korea, Mar. 2003 - Feb. 2005

B.S., Computer Science & Engineering (Honor Student, 2003 2nd and 2004 1st Semester)

(Transferred from Seokyeong University, Seoul, South Korea Mar. 2003 Computer Science)

Work Experience

University of Colorado Boulder, Jan. 2014 - Present

Research Assistant

- Developed a crawler and analyzer for feeding data of projects hosted at github into Big Data infrastructures in the project, [DARPA MUSE Program](#). (used: Python, Javascript(node.js), MongoDB, etc.) (in progress)
- Analyzed similarity among documents such as android app descriptions from Google Play, and classified them in the project, [DARPA APAC Program](#). (used: Python)

LG Electronics, Mobile Communications Company, Feb. 2005 - Feb. 2012 (7 years 1 month), Seoul, South Korea

LAP (LG Android Projects) Apr. 2011 - Feb. 2012

Android Platform Integration Engineer

- As a startup member, initiated LAP (LG Android Projects) - a collaboration system, for tasks employing Android platforms for facilitating software developments by software tools e.g., code reviewer, wiki, forums, Q&A, and CI, etc. (used: Git, Gerrit, Doku wiki, Jenkins)
- Analyzed data from Git and Gerrit code review for consulting, lecturing and revising process.

VS910 (LG Revolution), Jul. 2010 - Mar. 2011

Android Platform Integration Engineer

- Developed the commercial product known as VS910 (LG Revolution) - LG's ever first LTE smartphone.
- Maintained source codes for VS910, which is a large-scaled task more than 300 developers were involved in.
- Internationally collaborated with technical teams in CA and NJ, US, and Seoul, South Korea, providing technical tools utilizing Git, Gerrit code review, CI, Rsync, build farm, etc.

Android Platform Integration Engineer, Dec. 2009 - Jun. 2010

- Evaluated software development process for project teams involved in Android Open Source Project (AOSP)
- Collaborated with Android Build and Integration Team (ABAIT) in CA, US, and acquired the knowledge of Android build and integration process in CO, US.

GM730, Jun. 2009 - Nov. 2009

Windows Mobile Platform Integration Engineer

- Maintained source codes of GM730 country adaptation(Windows Mobile 6.5) and utilized CI on Cruise Control.net.

KT610, KT610, KT770 Mar. 2007 - May. 2009

Symbian/S60 Integration Engineer

- Maintained process and source code of Symbian/S60 based projects by Clear Case, and Mantis, etc. and improved build systems.
- Founded Wiki by wiki.lge.com for facilitating developers for effectively sharing information.

KS10 (LG first smartphone), Jun. 2005 - Feb. 2007

Symbian/S60 Framework Developer

- Ported SyncML and OMA DRM into Symbian/S60 mobile devices developed in C++.
- Integrated S60 licensed PC Suite, an interface between mobile device and PC, developed in MFC.

Talks & Lectures

- Lectured 10 classes for Git and Gerrit for Android software developers at MC Lab of LG Electronics in South Korea, 2010 - 2012. (in Korean)
- Introduced integration process and strategies for Android integrators by Git and Gerrit at MC Lab of LG Electronics in South Korea, 2011 - 2012. (in Korean)
- Held a 5-day long workshop for developing Symbian/S60 smartphone from setting build environment to debugging at LG Soft India Ltd. in India, Mar. 2009. (in English)

Relevant Training

- Agile coach squared course entitled, “How Can I Change Myself and Organization,” held by Agile Consulting (www.ac2.kr) in Seoul, South Korea, Jun. 2010 - Aug. 2010
- Course entitled, “Introduction to Media Arts,” for using Arduino and Processing by Everywhere (<http://everyware.kr>) in Seoul, South Korea, Aug. 2008