

Programming Competency Statement

Lee Jae Hoon

PROGRAMMING SKILLS

Language	Java, Python, Objective C, C/C++, Javascript, Scheme
Mobile	iOS, Android
Web Frontend	HTML, CSS, jQuery, Twitter Bootstrap
Web Backend	Django (Python) / Netty, Spring, Hibernate, Mybatis, Zookeeper (Java) / Node.js (javascript)
PC Client	MFC, WinAPI, DirectShow, Opengl
Big Data	Hadoop, D3.js

PROGRAMMING COURSES

CS380 Introduction to Computer Graphics

Implemented some concepts learned from lectures such as 3 dimensional transformations, rasterisation and texture mapping using c and opengl.

CS342 Introduction to Computer Networks

Developed program in TCP/IP network project called Kens by using c. We implemented socket API with tcp context and some error recovery process under simulated unreliable network conditions.

CS320 Programming Language

Developed various language parser and interpreter by using DrRacket and plai.

CS330 Operating Systems and Lab

Updated educational OS called Pintos. System calls, virtual memory and file system were implemented in the projects using c.

INDUSTRIAL EXPERIENCE

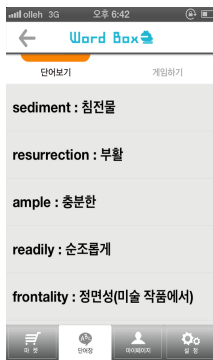


Amazing!: September, 2013 - January 2014

Participated as team leader and android & server developer. Amazing! provide beautiful drawing tools and canvas sharing service. We used Samsung SPen SDK and make beautiful UI to support drawing tools. Layers and color controlling features are improved. I focused on android mobile UI in service. I also made server using django.

SKILLS

Django(Python), Android, Android Libs (Volley etc)



WordBox: March, 2013 - August 2013

Participated as manager and iOS developer. WordBox is a mobile application that helps students to memorize English words. I developed iOS app and django backend server.

SKILLS

Django(Python), iOS, iOS Libs(ASIHTTPRequest etc)

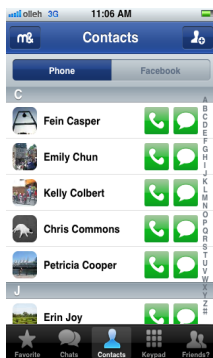


StudyGate: February, 2013 - August 2013

Participated as manager and web developer. Studygate is real time on-line tutoring service and solution. We used open source, Big Blue Button as streaming solution, and made web service by django.

SKILLS

Django(Python), Twitter Bootstrap, JQuery, HTML, CSS

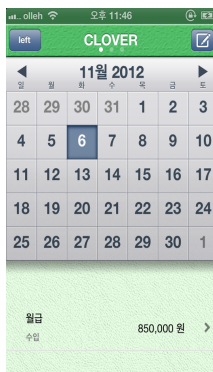


M& Phonebook: September, 2012 - December 2012

Participated in developing M& Phonebook proxy server. I developed proxy server which connect to facebook xmpp server and query server. When the app is in background, the app sends message to server, so server starts to receive message from facebook server by xmpp or fql instead of user's phone.

SKILLS

Netty, Zookeeper(Java)



M& Money: May, 2012 - August, 2012

Participated in developing and planning account App, M& Money. I participated in mobile and server development. I developed iOS client such as calendar, analysis and settings. I developed server using python and django. Mobile authorization system(oauth 2.0), UUID generator, database design and implementation was main feature that I developed.

SKILLS

Django(Python), iOS



M&: May, 2011 - April, 2012

Participated in developing messaging social combine app, M&. M& supports not only messaging, but also social network. I developed setting, image edit(filter, crop, sketch, rotation), We(newsfeed), chat and facebook integration. I participated in local database design and implemented it with CoreData.

SKILLS

iOS, iOS Libs(facebook API, CoreData), Google protocol buffer



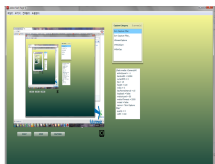
YouFirst Trading App: November, 2010 - April, 2011

Developed YouFirst Trading iOS and Android App. I developed Several UI & UX parts such as Intro, Announcement, Interest Stocks and News. I developed Network module such as memory dump and swap methods.



SKILLS

iOS, Android



DirectShow Capture Source Filter: March, 2010 - August, 2010

Developed Screen Capture Source Filter using DirectShow and WinAPI. The source filter provide YUV420 format, so Adobe Flash Media Server and Wowza can use certain source Filter. I developed Video Player using MFC & DirectShow. I developed Web Player using Flex & Air. The Screen Capture Source Filter can be used in the players, so the player render window screen on live.

SKILLS

DirectShow, WinAPI, MFC , Flex

