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PERSONAL DETAILS

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INTERESTS

Deep Learning and Statistics
Free and Open Source Softwares
Python and JavaScript
Functional languages
CLI tools

EDUCATION

Hanyang University (Seoul)

- ▶ B.S. in Software Engineering, May 2013 - Present
- ▶ B.S. in Mathematics, Aug 2014 - Present

Internet OCW

- ▶ Machine Learning, Andrew Ng (Coursera, Stanford)
- ▶ Convolutional Neural Network for Visual Recognition, Fei-Fei Li (Stanford)

TECHNOLOGIES

Python:

- ▶ Django, Flask, SQLAlchemy, Celery
- ▶ asyncio, Crossbar, Autobahn
- ▶ NumPy, SciPy, Keras

Javascript:

- ▶ Backbone, React, Redux, Electron, Autobahn
- ▶ ES6, Webpack, Immutable

Database:

- ▶ MySQL, PostgreSQL, SQLite, Redis

Others:

- ▶ Git, Bash, GNU Make, Travis CI, Coveralls
- ▶ AWS (EC2, RDS, S3, CloudFront)

OPEN SOURCE PROJECTS

[neural-three-kingdoms](#):

Text generating bidirectional LSTM learned from 삼국지 of 이문열

- ▶ Technologies: Keras
- ▶ Features:
 - * Generates 삼국지 style text from a given sentence

[news](#):

Asynchronous web subscription engine

- ▶ Technologies: asyncio, aiohttp, Redis, Celery
- ▶ Features:
 - * Built on top of asyncio and aiohttp
 - * Supports pluggable backends including Django ORM and SQLAlchemy
 - * Supports optional schedule persistence via redis

[anchor](#) (work in progress):

Desktop application for web content curation service built on top of [news](#)

- ▶ Technologies:
 - * Backend: Flask, SQLAlchemy, Celery, Redis, Crossbar, Autobahn
 - * Frontend: Electron, React, Redux, Immutable, ES6, Webpack, Autobahn
- ▶ Features:
 - * Schedulable web content subscription
 - * Personalized web content curation
 - * Realtime notification

[django-record](#):

Take snapshots of model instances on their changes

- ▶ Technologies: Django ORM
- ▶ Features:
 - * Provide simple mixin which gives auto recording functionality to models
 - * Provide automatic recording for both direct and indirect changes of model instances
 - * Support property recording for properties that return python primitives

[vim-guerilla](#):

Minimal vim configuration for guerilla devs

- ▶ Technologies: Bash, Batch Script, VimL
- ▶ Features:
 - * Can be deployed to any platform where vanilla vim exists
 - * Can be easily installed and removed without corrupting existing configuration

[backbone.csrf](#)

Module for CSRF protection compatible XHR requests from Backbone models

- ▶ Technologies: Javascript
- ▶ Features:
 - * Provide CSRF protected backend compatibility to Backbone models
 - * Support both CommonJS & AMD specifications

EXPERIENCE

LG Electronics Co. Ltd. Seocho, Seoul, Korea

Software Development Intern, July 2014 - August 2014

- ▶ Technologies: Python
- ▶ Works:
 - * Developed Excel table parser and JIRA API wrapper
 - * Automated issue reporting system with the JIRA API wrapper
 - * Tested LG smart TV ported version of WebOS.

Nexol System Co. Ltd. Guro, Seoul, Korea

Software Development Intern, Jan 2015 - Mar 2015

- ▶ Technologies: Android, Struts2
- ▶ Works:
 - * Developed mobile android CMS application for Samsonite. Korea.
 - * Developed and maintained Struts2 powered backend's CMS validation system for Samsonite. Korea.

Geopia Co. Ltd. Guro, Seoul, Korea

Software Developer (Substitute of Mandatory Military Service), 2015 - Present

- ▶ Technologies: Android, PHP
- ▶ Works:
 - * Developed and maintained Android applications for mobile dating services
 - * Developed and maintained PHP backends for the mobile dating services