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Personal Details

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Last Update: Apr 24, 2017

Interests

Computer Vision (Visual QA, Scene Understanding)
Unsupervised Learning (GAN, VAE, Autoencoder, etc.)
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, Crossbar, Autobahn, asyncio
- NumPy, SciPy, Keras, Tensorflow

JavaScript:

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

Database:

- MySQL, PostgreSQL, SQLite, Redis

Others:

- Bash, Git, GNU Make, Docker
- Travis CI, Coveralls, Fabric, AWS

Open Source Projects

oracle:

Oracle drops you a prophecy whether if your boss will come to work today

- Technologies: scikit-learn
- Features:
 - Decision-tree-based prediction on whether if your boss will come to work today.

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):

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:
 - Provides simple mixin which gives auto recording functionality to models.
 - Provides automatic recording for both direct and indirect changes of model instances.
 - Supports 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:
 - Provides CSRF protected backend compatibility to Backbone models.
 - Supports both CommonJS & AMD specifications.

Experience

LG Electronics Co., Ltd. Seocho, Seoul, Korea

Software Development Intern, Jul 2014 - Aug 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. Geumcheon, Seoul, Korea

Software Development Intern, Jan 2015 - Mar 2015

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

Geopia Co., Ltd. Geumcheon, Seoul, Korea

Software Developer, Apr 2015 - Feb 2017 (Substitute of Mandatory Military Service)

- Technologies: *Android, PHP*
- Works:
 - Developed and maintained Android applications for 5 mobile dating services.
 - Developed and maintained PHP backends for 5 mobile dating services.

Buzzni Co., Ltd. Gwanak, Seoul, Korea

Software Engineer, Mar 2017 - Present

- Technologies: *Django, Flask, Falcon, SQLAlchemy, Celery, Nginx, AWS, Elasticsearch, Docker*