Ha Junsoo (河 俊 秀)

Personal Details

Email: kuc2477@gmail.com
Phone: +82 10-6766-2477
Address: 서울시 성동구 마조로 15-16, 203
Contact: LinkedIn | Github | Blog

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
- Travis CI, Coveralls, AWS, Fabric

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 Delveopment 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 (Substitue 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*