Ha Junsoo (河 俊 秀)

Personal Details

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Interests

Computer Vision (Visual QA, Scene Understanding)
Unsupervised Learning (Representation Learning, Density Estimation)
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)*
- *Deep Natural Language Processing, Phil Blunsom (DeepMind, Oxford)*

Skills

Python:
- Keras, TensorFlow, PyTorch
- Django, Flask, SQLAlchemy, Celery
- asyncio, Crossbar, Autobahn

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

dl-papers

Categorized list of Deep Learning papers which gave me meaningful insights

- Technologies: TensorFlow, PyTorch
- Features:
    - Categorized by their related models and intuitions behind them.
    - Implemented in either *TensorFlow* or *PyTorch*.

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.

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.

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, Docker*