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## Ha Junsoo (河俊秀)

### 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:

- ▶ Bash, Git, GNU Make, Travis CI, Coveralls, AWS

## 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, 2015 - Present, (Substitute of Mandatory Military Service)

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