



# 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, Crossbar, Autobahn, asyncio
- 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, Fabric

## 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.*
  - Developed and maintained Struts2 powered backend's CMS validation system for *Samsonite. Korea.*

**Geopia Co., Ltd.** Geumcheon, Seoul, Korea

*Software Developer, Apr 2015 - Feb 2016 (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

**Buzzni Co., Ltd.** Gwanak, Seoul, Korea

*Software Engineer, Mar 2017 - Present*

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

## 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:
  - 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