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# Ha Junsoo (河俊秀)

## PERSONAL DETAILS

Email: [kuc2477@gmail.com](mailto:kuc2477@gmail.com)

Phone: +82 10-6766-2477

Address: 서울시성동구마조로 15-16, 203

Contact: [LinkedIn](#) | [Github](#) | [Blog](#)

## INTERESTS

Python and Javascript  
Free and open source software  
Statistics and machine learning  
Functional languages  
CLI tools

## EDUCATION

Hanyang University (Seoul)

- ▶ B.S. in Software Engineering, May 2013 ~
- ▶ B.S. in Mathematics, Aug 2014 ~

Coursera (Internet OCW)

- ▶ Machine Learning, Andrew Ng (Stanford)

## TECHNOLOGIES

Python:

- ▶ Django, Flask, SQLAlchemy, Celery, asyncio, Crossbar, Autobahn

Javascript:

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

Database:

- ▶ MySQL, PostgreSQL, SQLite, Redis

Others:

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

## OPEN SOURCE PROJECTS

### [news:](#)

Asynchronous web subscription engine

- ▶ Technologies: asyncio, aiohttp, Redis, Celery
- ▶ Features:
  - \* Built on top of asyncio and aiohttp. So yes - it's asynchronous and fast.
  - \* Supports pluggable backends, including Django ORM and SQLAlchemy.
  - \* Supports optional schedule persistence via redis.

### [anchor:](#)

Desktop application for web contents curation service built on top of [news](#) (work in progress)

- ▶ Technologies:
  - \* Backend: Flask, SQLAlchemy, Celery, Redis, Crossbar, Autobahn
  - \* Frontend: Electron, React, Redux, Immutable, ES6, Webpack, Autobahn
- ▶ Features:
  - \* Schedulable web subscription with fine grained user options.
  - \* Recommender system based on simple neural network classifier.
  - \* Realtime notifications.

### [django-record:](#)

Automagically takes snapshots of model instances on their both direct and indirect changes

- ▶ Technologies: Django ORM
- ▶ Features:
  - \* Provides simple mixin which gives auto recording functionality to models.
  - \* Supports auto recording for both direct and indirect changes of model instances.
  - \* Properties that return python primitives can be recorded.

### [vim-guerilla:](#)

Minimal vim configuration for guerilla devs

- ▶ Technologies: Bash, Batch Script, VimL
- ▶ Features:
  - \* Works on any platform where vanilla vim exists
  - \* Create a backup on deployment and removes it on retreatment

### [backbone.csrf](#)

Small module for CSRF protection compatible XHR requests from Backbone ORM

- ▶ Technologies: Javascript
- ▶ Features:
  - \* Provides CSRF protected backend compatibility to Backbone models
  - \* Supports both CommonJS & AMD specifications

## EXPERIENCE

LG Electronics (서초 R&D Center)

Software Development Intern, July 2014 ~ August 2014

- ▶ Technologies: Python
- ▶ Works:
  - \* Developed .xls table parser and JIRA API wrapper for uploading excel files to JIRA issue tracker.
  - \* Automated team's issue reporting system with the JIRA API wrapper.
  - \* Tested LG smart TV ported version of WebOS.

Nexol System

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

Software Developer (Substitute of mandatory military service), Apr 2015 ~ Present

- ▶ Technologies: Android, PHP
- ▶ Works:
  - \* Developed 결신 mobile android application and it's backend from scratch.
  - \* Maintained handful of android applications for mobile dating / chat services.