



# Ha Junsoo (河俊秀)

## Personal Details

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## Interests

Memory in Neural Networks  
Probability Density Estimation  
Representation Learning  
Free and Open Source Softwares  
Scalable Software Architectures  
Functional Languages  
CLI Tools

## Education

**Hanyang University** (Seoul)

- *B.S. in Software Engineering, May 2013 - 2019 (expected)*
- *B.S. in Mathematics, Aug 2014 - 2019 (expected)*

## Paper Implementations

**[tensorflow-dcgan](#)**

- Unsupervised Representation Learning with Deep Convolutional Generative Adversarial Networks, ICLR 2016

**[tensorflow-infogan](#)**: InfoGAN: Interpretable Representation Learning by Information Maximizing Generative Adversarial Nets, NIPS 2016

**[tensorflow-wgan](#)**: Wasserstein GAN, arxiv:1701.07875

**[pytorch-vae](#)**: Auto-Encoding Variational Bayes, arxiv:1312.6114

**[pytorch-ewc](#)**: Overcoming Catastrophic Forgetting, PNAS 2017

**[pytorch-memn2n](#)**: End-To-End Memory Networks, NIPS 2015

**[pytorch-ntm](#)**: Neural Turing Machines, arxiv:1410.5401

**[pytorch-splitnet](#)**: SplitNet: Learning to Semantically Split Deep Networks for Parameter Reduction and Model Parallelization, ICML 2017

**[pytorch-wrn](#)**: Wide Residual Networks, BMVC 2016

## Open Sources

**[dl-papers](#)**: Deep Learning papers which enlightened me

**[django-record](#)**: Records snapshot of Django model instances on their updates

**[backbone-csrf](#)**: Configure X-CSRFToken header for all Backbone sync requests

**[dotfiles](#)**: Personal environment which compliants UNIX philosophy

**[news](#)**: Asynchronous web subscription engine written in asynio and aiohttp

## Skills

**Machine Learning:**

- PyTorch, TensorFlow, Keras
- NumPy, SciPy, Scikit-Learn

**Backend / Python:**

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

**Frontend / JavaScript:**

- Backbone, React, Redux, Electron, Autobahn
- ES6/7, Webpack, Immutable

**Database:**

- MySQL, PostgreSQL, SQLite, Redis

**Dev-Ops:**

- Bash, Git, GNU Make, Docker
- Travis CI, Coveralls, Fabric, AWS, Nginx

## Work Experience

**LG Electronics Inc.** Seocho, Seoul, Korea. ***Software Development Intern**, Jul 2014 - Aug 2014*

**Nexol System Inc.** Geumcheon, Seoul, Korea. ***Software Development Intern**, Jan 2015 - Mar 2015*

**Geopia** Geumcheon, Seoul, Korea. ***Full-Stack Software Developer**, Apr 2015 - Feb 2017* (Substitute of Mandatory Military Service)

**Buzzni** Gwanak, Seoul, Korea. ***Backend Software Engineer**, Mar 2017 - July 2017*