



## Ha Junsoo (河俊秀)

### Personal Details

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

Phone: +82 10-6766-2477

Address: 서울시 성동구 마조로 15-16, 203

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

### Interests

Probability Density Estimation  
Memory in Neural Networks  
Unsupervised Representation Learning  
Continual 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)*

### Skills

#### Machine Learning:

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

#### 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

#### DevOps:

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

### Paper Implementations

[pytorch-deep-generative-replay](#): Continual Learning with Deep Generative Replay, NIPS 2017 [\[link\]](#)

[pytorch-wgan-gp](#): Improved Training of Wasserstein GANs, arxiv:1704.00028 [\[link\]](#)

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

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

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

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

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

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

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

**tensorflow-wgan**: Wasserstein GAN, arxiv:1701:07875 [\[link\]](#)

**tensorflow-dcgan**: Unsupervised Representation Learning with Deep Convolutional Generative Adversarial Networks, ICLR 2016 [\[link\]](#)

## 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**: UNIX philosophy compliant environment files

**news**: Asynchronous web subscription engine written in asnycio and aiohttp

## Work Experience

**LG Electronics Inc.** Seocho, Seoul, Korea. **Software Delveopment 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 (Substitutue of Mandatory Military Service)

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