

# Hong Minhee — Curriculum vitae

## Personal Details

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## Summary

### Interests

- Free and open source softwares: have written many F/OSS
- Network programming: implementing asynchronous event-driven servers and clients
- Domain-specific languages: designing and implementing DSLs
- Functional programming: familiar with immutable data structures, recursions, deterministic functions, abstract data types, and statically typed languages
- Automated tests: unit tests, property-based tests, and integration tests
- Technical writing: writing design papers and documenting legacy code, both in Korean and English

### Skills

- Languages: Python, Haskell, C#, Bash, SQL
- Frameworks/libraries: Flask, Werkzeug, SQLAlchemy
- Databases: PostgreSQL, Redis, SQLite
- Et cetera: Neovim, Git, Mercurial

## Employment

### 2018– [Planetarium](#)

Worked on [Libplanet](#), an open source library for creating peer-to-peer multiplayer online games.

Used technologies were: C#, .NET Core, Mono, [NetMQ](#) (ZeroMQ), and Unity.

### 2014–2018 [Spoqa](#)

Worked on [Dodo](#), a tablet-based customer loyalty and marketing platform for local merchants and stores.

Used technologies were: Python, Flask, [SQLAlchemy](#), and PostgreSQL.

### 2013 [The Beatpacking Company](#)

Worked on Beat, a South Korean music app, which is like Spotify. (Acquired by Naver in 2016.)

Used technologies were: Java (Android), Python, Flask, [SQLAlchemy](#), and PostgreSQL.

#### 2012–2013 Crosspop

Crosspop is a social platform where anyone can enjoy creating comics/mangas, share and browse them, and connect with other artists and enthusiasts.

Self-employed as a founder.

Used technologies were: Python, Flask, [SQLAlchemy](#), and PostgreSQL.

#### 2011–2012 [StyleShare](#)

StyleShare is a social network service to share fashion photography.

Worked as CTO.

Used technologies were: Python, Flask, [SQLAlchemy](#), and PostgreSQL.

#### 2011 [Olaworks](#)

Olaworks was a computer vision based company that focuses on facial recognition technology/service. (Acquired by Intel in 2012.)

Worked on [ScanSearch](#), a social network service based on augmented reality technology.

Used technologies were: PHP and MySQL.

#### 2010 [CDNetworks](#)

CDNetworks provides content delivery network service.

Worked on an in-house distributed and scalable monitoring system that manages about 10+ thousand server nodes.

Used technologies were: Python, [Tokyo Cabinet](#), and PostgreSQL.

#### 2007–2010 [Nielsen Korea](#)

Korean branch of Nielsen Company, a global marketing and advertising research company.

Worked on KoreanClick which provides measurement and analysis of online audiences, advertising, video, consumer-generated media, commerce, and consumer behavior.

Worked on Searchian which provides keyword suggestion for search marketing, analysis of keyword advertising platforms, and measurement of keyword usage.

Worked as a substitute of mandatory military service.

Used technologies were: PHP, [Pro\\*C](#), Oracle DBMS, and Python.

#### 2006–2007 [Olaworks](#)

Worked on [Olalog](#), a photo sharing social network service based on facial recognition technology.

Retired to do liability for military service.

Used technologies were: Ruby, Rails, and MySQL.

## Mentoring

2010–2014

Mentor of [Software Maestro](#) program by the [Ministry of Knowledge Economy, Republic of Korea](#).

2007, 2008

Mentor of [Winter of Code](#).

## Education

2004–2007 [Sunrin Internet High School](#)

## F/OSS

2018– [Libplanet](#)

.NET library for creating multiplayer online games in decentralized fashion, which means the whole game play occurs on a peer-to-peer network among equal nodes rather than an authorized central server. Under the hood, it incorporates many features (e.g., digital signature, BFT consensus, data replication) of a blockchain.

Written in C#.

2016–2018 [Nirum](#)

IDL compiler and RPC/distributed object framework for microservices.

Written in Haskell.

2014– [Geofront](#)

Simple SSH key management service which helps to maintain servers to SSH, and `authorized_keys` list for them.

Written in Python 3.

2012– [libsass-python](#)

[Sass](#)/SCSS for Python.

Written in C & Python.

2011–2018 [Wand](#)

ctypes-based simple [ImageMagick](#) (a widely-used image processing library) binding for Python.

Written in Python.

The above list contains only my representative projects. My more open source activities can be found in my [GitHub](#) and [Bitbucket](#).

## Talks

- [Python and Diaspora: How other languages have influenced Python for 25+ years](#) at PyCon Korea 2017 (keynote)
- [Making story of RPC framework](#) (Korean) at PyCon APAC 2016
- [All docs lead to Sphinx](#) at SphinxCon JP 2015
- [Making story of Geofront: Say goodbye to Python 2 and hello to Python 3](#) (Korean) at PyCon Korea 2014

The above list contains only the best received ones. My more decks can be found in my [Speaker Deck](#).