

# Seunghoon Shin

SOFTWARE ENGINEER · BACK-END

Seoul, Republic of Korea

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## Summary

1+ year experience in back-end development. Experienced embedded, Android, iOS development as a beginner, recently worked on project related to collecting data in fashion AI company.

Open culture of IT industry was so impressive that I started developing software. As I got help and inspired, I want to be an engineer who can help. Main skills are Python, flask, MySQL now, but i'm ready to challenge other technical skills and accomplish projects.

## Skills

<b>Programming</b>	Python
<b>Frameworks</b>	Flask, Scrapy, pandas
<b>Infrastructures</b>	AWS, Docker, MySQL
<b>Languages</b>	Korea(native), English(Business)

## Work Experience

### Omnious. Co., Ltd.

Seoul, S.Korea

BACK-END ENGINEER

Nov. 2017 -

#### Labeling Tool

- Maintained back-end of in-house web application having 50+ active users for collecting fashion data to train AI model.
  - Docker, CircleCI, Rancher, AWS(EC2, S3, RDS)
- Designed RESTful HTTP API, developed server serving them. Documented API specification for communication.
  - flask, NGINX, uWSGI, Swagger
- Established relation of domain model, designed database schema.
  - MySQL
- Built HTTP access logging system and pipeline to store it.
  - fluntd, fluent-bit
- Introduced unit testing, style guide of codebase.
  - flake8, pytest

#### Data Extraction & Transformation

- Extracted collected data to train AI model and pre-processed in a form that is easy to train.
- Automated process from data extraction to data processing, developed CLI tool to access automated data transfer system.
  - pandas, Celery

#### Crawler

- Implemented 20+ web crawlers for collecting fashion images, developed a scheduling tool for management.
- Built serverless pipeline that stores crawled data in a storage.
  - Scrapy, ScrapingHub, Zappa, AWS(SNS, SQS, Lambda)

### LayGen Inc.

Gyeonggi-do, S.Korea

SOFTWARE DEVELOPER INTERN

Aug. 2017 - Sep. 2017

- Participated to manufacturing operating module for a prototype of 3D printer and developed software control the module.
- Developed GUI so that hardware engineer can test controlling each part of 3D printer.
  - Python, PyQt, Raspberry Pi, Arduino

### LINE Corp.

Gyeonggi-do, S.Korea, S.Korea

SOFTWARE DEVELOPER INTERN

Apr. 2017 - May. 2017

- Prototyped iOS application "Targeted Video" emphasizing object user want in video.
- Used technique of contour extraction, image segmentation and stabilization.
- Implemented video editing function that cuts or pastes object user selected.
  - Swift, OpenCV

## UXEnterprise

SOFTWARE DEVELOPER INTERN

Seoul, S.Korea

Aug. 2016 - Sep. 2016

- Prototyped Android application viewing Female biorhythm.
- Implemented connection with a measuring device using Bluetooth.
- *Java, Android*

## Education

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### BoostCamp, Connect Foundation education program

Seoul, S.Korea

iOS COURSE

Jan. 2017 - Feb. 2017

- Developed iOS Application, "Color to Sound, Sound to Color! ChromaTone"
  - <https://github.com/newinh/ChromaTone>

### Konkuk University

Seoul, S.Korea

B.S. IN ELECTRONICS

Mar. 2009 - Feb. 2016

- Graduation piece, "IOT Door Lock using Wireless Home Router & Android Device"