

Changmin Choi (최창민)

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github.com/ryul99 | torch.vision

Education

- Computer Science and Engineering, Seoul National University, 2017.03 ~ 2024.02 (exp)
 - Bacchus: System Administrator Circle
 - member 2018 ~, vice-chairman 2019, 2022 ~

Careers

- **Hyperconnect** (2020.09 ~ 2021.08): Machine Learning Engineer
 - New Recommender System Model
 - Developed a new Deep Learning based Recommender System model using PyTorch
 - Recommender System Dashboard
 - Made a Recommender System dashboard using Google BigQuery and monitored it
 - Gender Classification
 - Made a Deep Learning model which predicts human gender
- **Mindslab** (2019.08 ~ 2020.09): Machine Learning Engineer
 - Video Super Resolution
 - Used transfer learning to improve the open-source model
 - Contributed open-source with fixed bugs and added features
 - Korean OCR
 - Tried Korean OCR with Image-Captioning methods
 - Arabic TTS
 - Used transfer learning to change the Korean TTS model to the Arabic TTS model
- **Seoul National University Hospital (SNUH CMI)** (2019.04 ~ 2019.07): Server Admin
 - DevEnv with Docker
 - Built the server for using the developing environment easily while providing an isolated environment using Docker

Experience

- **Personal Project**
 - PyTorch Project Template
 - GitHub repo: <https://github.com/ryul99/pytorch-project-template>
 - Code template supporting several logging tools, checkpoint saving, configuration with Hydra and Omegaconf, Distributed Learning, Code Lint, Unit Test
- **Algorithm Problem Solving**
 - 2020 Google Hash Code: 1229th place, Online Qualification Round
 - 2018 ACM-ICPC Asia Seoul National First Round Contest
 - 2017 ACM-ICPC Daejeon Regional Onsite

Skills

- **Machine Learning:** PyTorch, Paper review, Basic ML/DL knowledge
- **Languages:** Python (proficient), SQL, C++, C#, Java, Shell Script, etc.
- **Familiar with:** Linux, macOS, Windows, Docker, Cloud Service, etc.