

Changmin Choi (최창민)

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github.com/ryul99 | torch.vision

Education

- Computer Science and Engineering, Seoul National University, 2017.03 ~ 2024.02
 - Bacchus: System Administrator Circle: Member & vice-chairman

Careers

- **FuriosaAI** (2024.02 ~ now): Solution Architect
 - Improved the performance of NPU under Python SDK by overlapping NPU inference time with CPU time of preprocessing and postprocessing
- **Moreh** (2023.07 ~ 2023.12): Intern (AI Compiler team)
 - Improved the performance of auto-parallelizing GPU Cluster
 - Conducted logging for how well the actual throughput of GPUs fits the expectations during training, found problems with the estimator
- **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
 - Made comparing rule-based model and ML model applied to sections with different characteristics easier
- **Mindslab** (2019.08 ~ 2020.09): Machine Learning Engineer
 - Video Super Resolution
 - GitHub repo: <https://github.com/ryul99/mmsr>
 - Used transfer learning to improve the [open-source model](#)
 - Contributed open-source with [fixed bugs](#) and added [new features for reducing memory usage](#)
- **Seoul National University Hospital (SNUH CMI)** (2019.04 ~ 2019.07): Server Admin
 - DevEnv with Docker
 - GitHub repo: <https://github.com/ryul99/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, Multi-GPU Learning, Code Lint, Unit Test

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.