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
  - Improve the performance of NPU under Python SDK
- **Moreh** (2023.07 ~ 2023.12): Intern (AI Compiler team)
  - Improve the performance of auto-parallelizing GPU Cluster
- **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
- **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
  - 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, Multi-GPU 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.