

Taeyeong Jeong

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Education

KAIST (Korea Advanced Institute of Science and Technology)

B.S. in Computer Science

Daejeon, South Korea

Mar 2015 – Feb 2022

- Dean's list on 2015 Spring, 2016 Spring, 2016 Fall
- GPA: 4.05/4.3, Summa Cum Laude

Work Experience

Senior Machine Learning Engineer

Moloco

Redwood City, CA

Oct 2023 – Present

- Served as Tech Lead for a conversion rate prediction model, guiding a small team through multiple production iterations while continuously enhancing performance (logloss, AUROC, calibration) and deployment reliability.
- Led the migration of the core ML codebase from a TF1 asynchronous CPU training scheme to a TF2 synchronous TPU training framework; established new coding conventions and resolved performance gaps post-migration.
- Developed and implemented diverse solutions to address broader challenges, significantly improving the performance and robustness of ML models and enabling support for new business domains.
- Led cross-functional discussions on integrating business specific requirements into ML solutions.

Machine Learning Engineer

Moloco

Redwood City, CA

Mar 2023 – Oct 2023

Seoul, South Korea

Oct 2020 – Mar 2023

- Optimized production model architecture and training data consumption strategy with TensorFlow.
- Built model training pipeline and data pipeline with Kubeflow, GCP Dataflow/BigQuery.

Software Engineer (Alternative Military Service)

PUBG Labs (rebranded as KRAFTON)

Seoul, South Korea

Nov 2018 – Oct 2020

- Developed a matrix factorization-based recommendation system for the in-game store, optimizing CTR and deploying to production. Maintained a scalable serving system on AWS ECS.
- Analyzed user engagement metrics using PySpark to refine model performance.
- Implemented reinforcement learning agents (R2D2, ACER) with PyTorch to create a PUBG-playing bot.

Awards

5th prize on SCPC (Samsung Collegiate Programming Cup)	2017, 2019
25th on Google Kick Start Round E	2020
61st on Google Kick Start Round C	2019
77th on Google Kick Start Round A	2018
6th Place on ACM-ICPC Asia Daejeon Regional Contest	2016
4th Place on ACM-ICPC Asia Chung Li Regional Contest	2016
Samsung Software Membership	2017 - 2022