

Kachun Lo (Argent)

Deep Learning | Recommender Systems

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github.com/ArgentLo kaggle.com/ArgentLo ArgentLo.github.io

EDUCATION

- Tohoku University, Japan

Ph.D. in Economics | 2019 – 2022 |  Score: -/-

 Japanese Government Full Scholarship (MEXT)
- Tohoku University, Japan

M.S. in Economics | 2017 – 2019 |  Score: 3.90/4.00

 Japanese Government Full Scholarship (MEXT)
- University of Sydney, Australia

Statistical Finance | 2016 – 2017 |  Score: 3.86/4.00

 Three High Distinctions (HD)
- Nankai University, China

B.S. in Economics | 2012 – 2016 |  Score: 2.78/3.00

 National Scholarship for Encouragement

RESEARCH PROJECT

- Researcher

JST, Panasonic and NTT 2020.03 – Present

 - [OPERA Program] Program of Advanced Research Topics Collaborated with Major Enterprises.
 - [Research Topic] “Holistic Optimization of Active Distributed Electrical Grid”.

WORK EXPERIENCE

- Deep Learning Engineer

Adsai.Analyst, Tokyo 2020.08 – 2021.01

 - [NLP] Development of Unsupervised Japanese Paraphrasing Model.
 - [Numerical Optimization] Research on Bidding Price Optimization for Advertisement.

Python , SQL , PyTorch
- Computer Vision Researcher

Corpy&Co. AI Laboratory, Tokyo 2019.01 – 2020.01

 - [CV] Development of Unsupervised Visual Anomaly Detection.
 - [CV] Created GAN-based Simulator of Raindrops Effects.

Python , Tensorflow , PyTorch , JavaScript
- Product Risk Analyst

Mitsubishi FTBC, Tokyo 2016.12 – 2017.02

 - Assisted Analysis and Design on the new Risk Analysis System.

R , SQL , MongoDB

ACTIVITIES

- Kaggle Expert

 - 1 Silver medal in 2 weeks
 - 1 Bronze medal in 2 days
- Invited Talk

International Workshop on Marketing and Data Science

[2020] Introduction to state-of-the-art Novel Recommender Systems.
- Invited Talk

International Conference on Data Mining

[2019] Presentation on Diversity and Novelty of Recommender Systems.
- Teaching Assistant

Financial Statistics, University of Sydney

[2017] Assisting with assignment instructions.
- Football Champion Member

Nankai College Champions Cup

[2015] TOGETHER WE WIN!

LANGUAGES

English	TOEFL (105)
Japanese	JLPT (N1)
German	Beginner
Chinese	Native
Cantonese	Native
Teochew	Native

OTHER INTERESTS

Football Language Learning Traveling

PUBLICATIONS

1. GeoCF: Geolocation-enhanced Collaborative Filtering for Cold Start Recommendations

[Kachun Lo, Tsukasa Ishigaki. 2021.](#)

 *Preprint 2021*

2. X-2ch: Quad-Channel Collaborative Graph Network over Knowledge-aware Edges

[Kachun Lo, Tsukasa Ishigaki. 2021.](#)

 *SIGIR 2021*

[PAPER](#)

[CODE](#)

3. Intermediary Does Matter! Conditional Proximity Embedding for Recommender Systems

[Kachun Lo, Tsukasa Ishigaki. 2021.](#)

 *IJCNN 2021*

[PAPER](#)

[CODE](#)

4. PPNW: Personalized Pairwise Novelty Loss Weighting for Novel Recommendation

[Kachun Lo, Tsukasa Ishigaki. 2020. Special Invited Paper.](#)

 *[Journal] Knowledge and Information Systems*

[PAPER](#)

[CODE](#)

5. Matching Novelty while Training: Novel Recommendation based on Personalized Pairwise Loss

[Kachun Lo, Tsukasa Ishigaki. 2019. Best Paper Candidate.](#)

 *ICDM 2019, Acceptance Rate: 9.1%*

[PAPER](#)

[SLIDES](#)