

# Kachun Lo (Argent)

Deep Learning | Recommender Systems

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- Sendai, Japan
- 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

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

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

 Preprint 2021

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

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

 SIGIR 2021

[PAPER](#)

[CODE](#)

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

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

 IJCNN 2021

[PAPER](#)

[CODE](#)

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## 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](#)

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## 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](#)