

Makoto Hiramatsu

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EDUCATION

UNIVERSITY OF TSUKUBA

Master of Informatics (GPA: 3.98 / 4.3) w/ specialization in Natural Language Processing

Coursework: Natural Language Processing, Machine Learning, Information Extraction

Tokyo, JAPAN
Apr 2017 - Mar 2019

UNIVERSITY OF TSUKUBA

B.E. in Library and Information Science (GPA: 3.5 / 4.3) w/ specialization in Natural Language Processing

Coursework: Natural Language Processing, Machine Learning, Library Management

Tokyo, JAPAN
Apr 2013 - Mar 2017

EXPERIENCE

PREFERRED NETWORKS INC.

Software Engineer | Non Full-time

- Developing Optuna, hyperparameter optimization library
- Developing Chainer, deep learning framework

Tokyo, JAPAN
June 2019 - Current

COOKPADD INC.

Software Engineer / Researcher

- Developing/deploying machine learning applications
- Developing large scale Rails applications

Tokyo, JAPAN
April 2019 - Current

COOKPADD INC.

Software Engineer / Researcher | Part-time

- Research on Natural Language Processing

Tokyo, JAPAN
June 2018 - March 2019

RETRIEVA INC.

Researcher | Part-time

- Survey and replicate researches published at top conferences

Tokyo, JAPAN
March 2017 - March 2019

INTERNATIONAL INSTITUTE FOR INTEGRATIVE SLEEP MEDICINE (WPI-IIIS)

Software Engineer | Part-time

- Developing a system to automatically evaluate a sleep quality

Ibaraki, JAPAN
November 2016 - September 2017

RECRUIT HOLDINGS CO., LTD.

Data Analyst | Internship

- Developing a system for searching a job

Tokyo, JAPAN
February 2017

COOKPADD INC.

Software Engineer / Researcher | Part-time

Tokyo, JAPAN
October 2015 - June 2016

PIXIV INC.

Software Engineer | Internship

Tokyo, JAPAN

SKILLS

- **Programming Languages:** Python, Ruby, C++, Rust
- **Other Technologies:** AllenNLP, Flair, PyTorch
- **Certifications:** AWS Solution Architect - Associates

PUBLICATIONS

- [1] Makoto Hiramatsu and Jun Harashima. Current status and challenges of recipe analysis: The cookpad parsed corpus as an example, 2021.
- [2] Jun Harashima and Makoto Hiramatsu. Cookpad parsed corpus: Linguistic annotations of japanese recipes. In *Proceedings of Linguistic Annotation Workshop*, 2020.
- [3] Yasuhiro Yamaguchi, Shintaro Inuzuka, Makoto Hiramatsu, and Jun Harashima. Non-ingredient detection in user-generated recipes using the sequence tagging approach. In *Proceedings of Workshop on Noisy User-generated Text*, 2020.
- [4] Jun Harashima, Makoto Hiramatsu, and Satoshi Sanjo. Calorie estimation in a real-world recipe service. In *Proceedings of Annual Conference on Innovative Applications of Artificial Intelligence*, 2020.
- [5] Makoto Hiramatsu, Kei Wakabayashi, and Jun Harashima. Named entity recognition by character-based word classification using a domain specific dictionary. In *Proceedings of International Conference on Computational Linguistics and Intelligent Text Processing*, 2019.
- [6] Kei Wakabayashi, Yohane Takeuchi, Makoto Hiramatsu, and Mikio Nakano. Spoken language understanding based on sentence segmentation by language models. In *Proceedings of Annual Conference of the Japanese Society for Artificial Intelligence*, 2019.
- [7] Makoto Hiramatsu, Kei Wakabayashi, and Jun Harashima. Recipe named entity recognition based on word classification results using character-based distributed representations. In *Proceedings of Special Interest Group of Natural Language Processing*, 2018.
- [8] Makoto Hiramatsu and Kei Wakabayashi. Encoder-decoder neural networks for taxonomy classification. In *Proceedings of Workshop on SIGIR 2018 eCom Data Challenge*, 2018.
- [9] Makoto Hiramatsu and Kei Wakabayashi. Hypernymy extraction from natural language sentences with sequence labeling. In *Proceedings of Annual Meeting of the Association for Natural Language Processing*, 2017.
- [10] Makoto Hiramatsu, Yamamoto Shuhei, Takayasu Fushimi, and Tetsuji Satoh. Posting tendency analysis in recipe community. In *Proceedings of IEICE technical report*, 2015.