Makoto Hiramatsu

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EDUCATION

UNIVERSITY OF TSUKUBA   Tokyo, JAPAN
Master of Informatics (GPA: 3.98 / 4.3) w/ specialization in Natural Language Processing   Apr 2017 - Mar 2019
Coursework: Natural Language Processing, Machine Learning, Information Extraction

UNIVERSITY OF TSUKUBA   Tokyo, JAPAN
B.E. in Library and Information Science (GPA: 3.5 / 4.3) w/ specialization in Natural Language Processing   Apr 2013 - Mar 2017
Coursework: Natural Language Processing, Machine Learning, Library Management

EXPERIENCE

PREFERRED NETWORKS INC.   Tokyo, JAPAN
Software Engineer |Non Full-time   June 2019 - Current
• Developing Optuna, hyperparameter optimization library
• Developing Chainer, deep learning framework

COOKPADD INC.   Tokyo, JAPAN
Software Engineer / Researcher   April 2019 - Current
• Developing/deploying machine learning applications
• Developing large scale Rails applications

COOKPADD INC.   Tokyo, JAPAN
Software Engineer / Researcher | Part-time   June 2018 - March 2019
• Research on Natural Language Processing

RETRIEVA INC.   Tokyo, JAPAN
Researcher | Part-time   March 2017 - March 2019
• Survey and replicate researches published at top conferences

INTERNATIONAL INSTITUTE FOR INTEGRATIVE SLEEP MEDICINE (WPI-IIIS)   Ibaraki, JAPAN
Software Engineer | Part-time   November 2016 - September 2017
• Developing a system to automatically evaluate a sleep quality

RECRUIT HOLDINGS CO., LTD.   Tokyo, JAPAN
Data Analyist | Internship   February 2017
• Developing a system for searching a job

COOKPADD INC.   Tokyo, JAPAN
Software Engineer / Researcher | Part-time   October 2015 - June 2016

PIXIV INC.   Tokyo, JAPAN
Software Engineer | Internship

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. In *Proceedings of Annual Meeting of the Association for Natural Language Processing*, 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.