

# 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

### ELYZA INC.

*Software Engineer | Non Full-time (contractor)*

• Machine Learning Engineer

Tokyo, JAPAN  
Aug 2021 - Current

### UBIE INC.

*Software Engineer | Non Full-time (contractor)*

• Machine Learning Engineer at Discovery group

Tokyo, JAPAN  
May 2021 - Current

### PREFERRED NETWORKS INC.

*Software Engineer | Non Full-time*

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

Tokyo, JAPAN  
June 2019 - Current

### COOKPAD INC.

*Software Engineer / Researcher*

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

Tokyo, JAPAN  
April 2019 - Current

### COOKPAD 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

### COOKPAD 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

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- [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.