

# Makoto Hiramatsu

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[github.com/himkt](https://github.com/himkt) • [linkedin.com/in/himkt](https://www.linkedin.com/in/himkt) • [twitter.com/himako\\_h](https://twitter.com/himako_h)

## 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

## SKILLS

- **Programming Languages:** Python, Ruby, C++, Rust, Java, SQL
- **Machine Learning or related field libraries:** AllenNLP, Flair, PyTorch, Optuna
- **Certifications:** AWS Solution Architect - Associates

## EXPERIENCE (FULLTIME)

### PREFERRED NETWORKS INC.

*Software Engineer*

- Develop machine learning (ML) related softwares and services

Tokyo, JAPAN  
Feb 2022 - Current

### COOKPAD INC.

*Software Engineer / Researcher*

- Develop ML/natural language processing (NLP) applications
- Develop large scale Rails applications

Tokyo, JAPAN  
April 2019 - Jan 2022

## EXPERIENCE (CONTRACTOR)

### ELYZA INC.

*Software Engineer*

- Prototype application using ML and NLP technologies

Tokyo, JAPAN  
Aug 2021 - Nov 2021

### UBIE INC.

*Software Engineer*

- Prototype application using ML and NLP technologies

Tokyo, JAPAN  
May 2021 - Nov 2021

### PREFERRED NETWORKS INC.

*Software Engineer*

- Develop open source softwares: Chainer and Optuna

Tokyo, JAPAN  
June 2019 - Jan 2022

## EXPERIENCE (PART-TIME, INTERNSHIP)

### COOKPAD INC.

*Software Engineer / Researcher*

- Research on NLP field

Tokyo, JAPAN  
June 2018 - March 2019

### RETRIEVA INC.

*Researcher*

- Survey and replicate NLP researches published at top conferences

Tokyo, JAPAN  
March 2017 - March 2019

### INTERNATIONAL INSTITUTE FOR INTEGRATIVE SLEEP MEDICINE (WPI-IIIS)

*Software Engineer*

- Developing sleep quality predictor

Ibaraki, JAPAN  
November 2016 - September 2017

### RECRUIT HOLDINGS CO., LTD.

*Data Analyst*

- Developing PoC application on employment domain

Tokyo, JAPAN  
February 2017, One month internship

### COOKPAD INC.

*Software Engineer / Researcher*

- Survey and prototype around human language technologies

Tokyo, JAPAN  
October 2015 - June 2016

## 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.