Sosuke Nishikawa

MACHINE LEARNING ENGINEER

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Personal Profile Statement

A master's student at the University of Tokyo with experience in software and machine learning. Skilled at operating in a wide range of platforms and programming. Praised for the ability to work hard and to achieve goals. Currently studying natural language processing using deep learning.

Education

- **Master's student in Information Science and Technology**, The University of Tokyo, Echizen lab. — *Apr. 2020 - Mar. 2022 (Expected graduation)*
- **B.E. in Electrical Engineering and Computer Science**, The University of Tokyo,Tsuruoka lab. — *Mar. 2020,GPA: 3.8/4.2*

Work and Research Experience

Echizen Lab, National Institute of Informatics   *Tokyo, Japan*

RESEARCH ASSISTANT   *Apr. 2020 - PRESENT*

- Research adversarial examples in NLP

Studio Ousia   *Tokyo, Japan*

RESEARCH ENGINEER (PART TIME)   *Feb. 2020 - PRESENT*

- Research multilingual models

CyberAgent Inc.   *Tokyo, Japan*

SOFTWARE ENGINEER INTERN   *Feb. 2021 - Feb. 2021*

- Worked on information extraction on web documents

SONY   *Tokyo, Japan*

RESEARCH ENGINEER INTERN   *Sep. 2020 - Oct. 2020*

- Research on dialogue systems

Cookpad Inc.   *Tokyo, Japan*

RESEARCH ENGINEER INTERN   *Sep. 2020 - Sep. 2020*

- Developed the API that predicts ingredients from recipes

Wantedly Inc.   *Tokyo, Japan*

SOFTWARE ENGINEER INTERN   *Aug. 2020 - Aug. 2020*

- Developed the model that recommends connections using graph embeddings

Stockmark Inc.   *Tokyo, Japan*

SOFTWARE ENGINEER (PART TIME)   *Dec. 2018 - Dec. 2019*

- Created web application that allows users to understand at a glance who is familiar with which fields

Publication

Bag-of-Entities for Improving Multilingual Models using Language Link on Knowledge Base (エンティティの言語間リンクに基づく多言語モデルの構築**)**

- Proceedings of the 27th Annual Meeting of the Association for Natural Language Processing (NLP2021)
- Sosuke Nishikawa, Ikuya Yamada, Yoshimasa Tsuruoka, Isao Echizen

**A Model for Recommending Cooking Ingredients Using Multi-Label Classification (マルチ
ラベル分類による材料推薦モデル)**

- Proceedings of the 27th Annual Meeting of the Association for Natural Language Processing (NLP2021)
- Yusuke Fukasawa, Jun Harashima, Sosuke Nishikawa

**Analysis of bilingual word embeddings using pseudo corpus generated from
Unsupervised Machine Translation (教師なし機械翻訳の出力結果から作成した
Bilingual Word Embeddings の分析)**

- Proceedings of the 26th Annual Meeting of the Association for Natural Language Processing (NLP2020)
- Sosuke Nishikawa, Yoshimasa Tsuruoka

**Data Augmentation for Learning Bilingual Word Embeddings with Unsupervised Machine
Translation**

- arXiv preprint
- Sosuke Nishikawa, Ryokan Ri and Yoshimasa Tsuruoka

Studio Ousia at the NTCIR-15 SHINRA2020-ML Task

- 15th NTCIR Conference
- Sosuke Nishikawa, Ikuya Yamada

Award

JGC-S scholarship foundation

Scholarship for study abroad program.

Competences

Languages	Japanese ($native$), English ($conversant$, IELTS 6.0)
Programming	Python, JavaScript/TypeScript, d3.js, Ruby, C/C++, LaTeX, HTML/CSS, MySQL, Google Apps Script, Java, Go
Libraries and Services	Pytorch, Chainer, Tensorflow, Keras, Docker, Amazon Web Service, Google Cloud Platform
Competitive prog.	Atcoder sosuke115 (rate 1003)