# ATSUHITO KITA

Computer Science Student at Oregon State University

Natural Language Processing Research Assistant in Prof. Liang Huang's Lab

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## EDUCATION

**Oregon State University**                            *September 2018 - June 2021 (Expected)*
Bachelor of Science in Computer Science, Artificial Intelligence Focus
OSU GPA: 4.00, Dean's List for all attended terms.

**Hitotsubashi University**                                        *April 2012 - March 2016*
Bachelor of Commerce and Management

## PUBLICATIONS

Junkun Chen, Renjie Zheng, **Atsuhito Kita**, Mingbo Ma, Liang Huang. Improving Simultaneous Translation with Pseudo References. 2020. arXiv preprint arXiv:2010.11247. https://arxiv.org/pdf/2010.11247.pdf.

## RESEARCH EXPERIENCE

**Oregon State University - Computational Linguistics Lab**                    June 2020 - Present
*Research Assistant*                                              *Advisor: Prof. Liang Huang*

· Co-authored a research paper submitted to NAACL-2021 about improving neural-based simultaneous translation models by generating pseudo-references.
· Preprocessed corpora by using NLP tools such as NLTK for tokenization and BLEU scores, subword-nmt for BPE, and Mecab+Unidic for word segmentation.
· Conducted simultaneous translation model training and pseudo-reference generation with PaddlePaddle deep learning framework based on Transformer.
· Implemented new metrics for evaluating anticipation and hallucination rates based on word alignments.

## ENGINEERING EXPERIENCE

**Rakuten, Inc.**                                               January 2020 - March 2020
*Software Engineer Intern*                                                    *Osaka, Japan*

· Worked as a key contributor for the reservation and review features of Rakuten Carwash.
· Developed production codes in Java and MySQL using Spring Boot and Docker.
· Programmed testing codes in Groovy using Spring Boot.
· Constructed a data management tool for marketing employees in Kotlin and React.js + Redux.
· Lectured Git branch management to 20+ full-time employees.
· Facilitated progress in a project team with JIRA in an Agile manner (2-week Sprint).
· Promoted smooth communication between English and Japanese speakers with bilingual skills.

**Freelance**                                                    October 2017 - May 2018
*Web Developer & Designer*                                                     *Tokyo, Japan*

· Developed and designed a website for Restaurant Kabi with responsive web design.
· Optimized the website to Wordpress for creating the client's interface.

## MANAGEMENT EXPERIENCE

**Dentsu, Inc.**                                                  April 2016 - September 2017
*Marketing Consultant (Full-time)*                                              *Tokyo, Japan*

· Planned branding strategies for companies such as L'Oreal Paris and Softbank.
· Managed production teams to make TV commercials and websites for companies.
· Analyzed TV commercials and websites with internal tools and Google Analytics.
· Executed customer interviews and conceptualized customer insights for clients.

## RELEVANT COURSES

| **Oregon State University** | CS 475 - Parallel Programming |
|---|---|
| | CS 444/344 - Operating Systems |
| | CS 381 - Programming Language |
| | CS 370 - Security |
| | CS 362/361 - Software Engineering |
| | CS 340 - Databases |
| | CS 331 - Artificial Intelligence |
| | CS 325 - Analysis of Algorithms |
| | CS 290 - Web Development |
| | CS 271 - Computer Architecture & Assembly Language |
| | CS 260 - Data Structure |
| | CS 162/161/160 - Introduction to Computer Science |
| | ST 314 - Statistics for Engineers |
| | MTH 341 - Linear Algebra |
| | MTH 254 - Vector Calculus |
| | MTH 231 - Discrete Mathematics |

## SKILLS

| **Programming** | Python, C, C++, CUDA, Java, Kotlin, Typescript, React.js, HTML, CSS |
|---|---|
| **Frameworks** | PyTorch, NumPy, CuPy, Spring Boot, Next.js |
| **Databases** | MySQL, PostgreSQL, MongoDB |
| **Miscellaneous** | Adobe Xd, Figma, Illustrator, Photoshop, After Effects, Premiere Pro |