Chihiro Taguchi

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 Website: https://ctaguchi.github.io

Education

College of Engineering,
The University of Notre Dame — IN, United States
PhD in Computer Science and Engineering. — Aug 2022 – Jul 2027
Supervisor: Dr. David Chiang.

School of Philosophy, Psychology and Language Sciences,
The University of Edinburgh — Edinburgh, United Kingdom
MSc by Research in Linguistics with Distinction. — Sep 2021 – Aug 2022
Supervisors: Prof. Peter Ackema and Dr. Itamar Kastner.
Thesis: Deconstructing Mermaid Constructions: From Control and Raising in Tatar.

Division of Information Science,
Nara Institute of Science and Technology — Nara, Japan
MA in Engineering. — Oct 2020 – Sep 2022
Supervisor: Prof. Taro Watanabe.

School of Oriental and African Studies,
The University of London — London, United Kingdom
Exchange Student in Linguistics. — Sep 2018 – Jun 2019
Mentor: Dr. Christopher Lucas.
Thesis: On Three Types of Predicates with Infinitival VP in Tatar:
kiräk, *tiyeš*, and *telä-* with LFG Analysis. (**Distinction**)

Department of Political Science, Faculty of Law,
Keio University — Tokyo, Japan
Bachelor of Laws (LL.B.). — Apr 2015 – Sep 2019
Supervisor: Prof. Yoshihisa Hagiwara.
Thesis: Observations of the Process of Language Extinction in the Modern Society:
A Case Study on the Ikema Dialect of Miyako Ryukyuan. (in Japanese)

Experience

Research Intern. — Apr 2021 –
Pluszero Co.
Project on building a semantic model of Japanese for artificial intelligence.

Research Assistant — Apr 2021 – Sep 2021
National Institute of Informatics, Japan.
Mentor: Dr. Saku Sugawara.

Research on the interface of natural language understanding and linguistics.

Cookpad Online Spring Internship 2021   Mar 2021
Cookpad Inc.
One-week program on front-end engineering.

Publications

形態論情報付き日本語 **Universal Dependencies** [Japanese Universal Dependencies with morphological information].
Chihiro Taguchi, So Miyagawa.
Proceedings of the 29th Annual Meeting of the Association of Natural Language Processing (NLP2023), 2023.

沖縄語の **Universal Dependencies** ツリーバンクコーパスの構築 [Building a treebank corpus for Okinawan Universal Dependencies]. (in Japanese)
So Miyagawa, Hiroshi Kanayama, **Chihiro Taguchi**, Nana Tohyama.
Proceedings of the 29th Annual Meeting of the Association of Natural Language Processing (NLP2023), 2023.

Introducing Morphology in Universal Dependencies Japanese. (*peer-reviewed*)
Chihiro Taguchi, David Chiang.
The sixth workshop on Universal Dependencies (UDW), 2023.

Mermaid Construction in Lexical Functional Grammar.
Chihiro Taguchi.
Proceedings of the LFG'22 Conference, 2022.

Consistent Grammatical Annotation of Turkic Languages for more universal Universal Dependencies.
Chihiro Taguchi.
Workshop on Computational Linguistics on East Asian languages, 29th International Conference on Head-Driven Phrase Structure Grammar, 2022.

Mermaid Construction in Lexical Functional Grammar.
Chihiro Taguchi.
LFG22: the 27th International Lexical Functional Grammar Conference, 2022.

名詞述語を伴う繰り上げ構文としての人魚構文 [Mermaid Construction as raising with a nominal predicate]. (in Japanese)
Chihiro Taguchi.
Proceedings of the 164th Conference of the Linguistic Society of Japan, 2022 .

Universal Dependencies Treebank for Tatar: Incorporating Intra-Word Code-Switching Information.

Chihiro Taguchi, Sei Iwata, Taro Watanabe.
Workshop on Resources and Technologies for Indigenous, Endangered and Lesser-resourced Languages in Eurasia (EURALI), Language Resources and Evaluation Conference (LREC), 2022.

Mermaid Construction in Tatar.
Chihiro Taguchi.
Proceedings of the 162nd Conference of the Linguistic Society of Japan, 2021.

Transliteration for Low-Resource Code-Switching Texts: Building an Automatic Cyrillic-to-Latin Converter for Tatar.
Chihiro Taguchi, Yusuke Sakai, Taro Watanabe.
Proceedings of the Fifth Workshop on Computational Approaches to Linguistic Code-Switching, North American Chapter of the Association for Computational Linguistics, 2021.

So-Called "Prepositions" in Somali are Not Prepositions: A Linguistic Approach for Somali POS Tagging.
Chihiro Taguchi, Taro Watanabe.
Proceedings of the Annual Meeting of the Association of Natural Language Processing, 2021.

Raising to Quirky Subject in Tatar.
Chihiro Taguchi.
Proceedings of the 161st Conference of the Linguistic Society of Japan, 2020.

Vowel Harmonies in Kazan Tatar: Element Theoretical Approach.
Chihiro Taguchi.
Proceedings of the 159th Conference of the Linguistic Society of Japan, 2019.

近現代における言語衰退過程の観察と考察 —琉球語宮古池間方言を事例に— [Observations of the Process of Language Extinction in the Modern Society: A Case Study of the Ikema Dialect of Miyako Ryukyuan] (in Japanese).
Chihiro Taguchi.
政治学研究 *[Studies in Political Science]*, 2018. Keio University Press.

Projects

Building a multilingual speech-to-IPA system.
SLT-Code Hackathon, IEEE, 2023.

Universal Dependencies: Tatar NMCTT treebank.
Repository: https://github.com/UniversalDependencies/UD_Tatar-NMCTT

Talks	**Cross-linguistic analysis of the Mermaid Constructions in LFG**. **Chihiro Taguchi**. 33rd South of England LFG Meetings, 2022.

Mermaid Construction as raising with a nominal predicate.
Chihiro Taguchi.
The 74th Language Lunch At Edinburgh. Online. 8 Mar 2022.

Text Processing of Open-Access Jinghpaw Data on Google Colaboratory.
Chihiro Taguchi.
Follow-up meeting on Intensive Language Course 2019 (Jinghpaw) / The 3rd meeting on Kachin studies.
ILCAA, TUFS. Online. 16 Oct 2021.

Awards	**JASSO Scholarship for Graduate-level Study Abroad**.	Sep 2021 – Aug 2022

Full tuition fee coverage and monthly stipends.
Ministry of Education, Culture, Sports, Science and Technology, Japan.

CICP NAIST Multilingual Corpus. Jun 2021 – Mar 2022
500,000 JPY.
Nara Institute of Science and Technology.

Grand Prix Winner April 2019
7th International Olympiad of the Tatar Language and Literature.
Ministry of Education and Science, Republic of Tatarstan, Russia.

Exchange Program Scholarship. Sep 2018 – Jun 2019
1.5 mil JPY.
Gyomu Super Japan Dream Foundation.

Honorable Mention, Keio University Academic Writing Contest. Nov 2014
Keio University.

Skills	**Programming and Softwares**

Familiar: Python, LaTeX, HTML/CSS, Git.

Languages
Native: Japanese
Fluent: English
Advanced: Russian, Tatar
Intermediate: French, German, Korean, Mandarin Chinese
Beginner: Spanish