Yoshinari Fujinuma

Office Address
Virtual

Contact
fujinumay@gmail.com
http://akkikiki.github.io
Twitter: @akkikiki

Education

University of Colorado Boulder, USA	Dec 2021

Ph.D. in Computer Science
Advisors
- Katharina Kann(2020-2021), Jordan Boyd-Graber(-2021), Michael J. Paul (-2019)

University of Tokyo, Japan	Sep 2014

M.S. in Information Science and Technology; Advisor: Akiko Aizawa

International Christian University, Japan	Mar 2012

B.A. in Computer Science and Mathematics; Advisor: Grant Pogosyan

Professional Experience

Applied Scientist, Amazon Web Services Inc, USA — Sep 2021 - Present

Part-Time Instructor, Univ. of Colorado Boulder, USA — Jan 2021 - May 2021
- CSCI 4622 Machine Learning (Github Repo)

Teaching Assistant, Univ. of Colorado Boulder, USA — Jan-Dec 2020, May-Jul 2021
- CSCI 2270 Data Structures

Applied Scientist Intern, Amazon Web Services Inc, USA — May 2020 - Aug 2020

Research Assistant, Univ. of Colorado Boulder, USA — Aug 2016 - Dec 2019

Applied Scientist Intern, Amazon.com, USA — May 2018 - Aug 2018

Software Development Engineer, Amazon/A9.com, Japan — Oct 2014 - Aug 2016

Software Engineer Intern, Amazon/A9.com, Japan — Nov 2013 - Feb 2014

Part-time Engineer, Atilika, Japan — Aug- Nov 2013, Apr- Sep 2014

Software Engineer Intern, Cookpad, Japan — July 2013 (one month)

Publications

- Yoshinari Fujinuma, Jordan Boyd-Graber, Katharina Kann: "Match the Script, Adapt if Multilingual: Analyzing the Effect of Multilingual Pretraining on Cross-lingual Transferability", ACL (long) 2022
- Yoshinari Fujinuma, Masato Hagiwara: "Semi-Supervised Joint Estimation of Word and Document Readability", TextGraphs-15@NAACL (short) 2021
- Mozhi Zhang*, Yoshinari Fujinuma*, Michael J. Paul, Jordan Boyd-Graber: "Why Overfitting Isn't Always Bad: Retrofitting Cross-Lingual Word Embeddings to Dictionaries", ACL (short) 2020
- Mozhi Zhang, Yoshinari Fujinuma, Jordan Boyd-Graber: "Exploiting Cross-Lingual Subword Similarities in Low-Resource Document Classification", AAAI 2020
- Yoshinari Fujinuma, Jordan Boyd-Graber, Michael J. Paul: "A Resource-Free

Evaluation Metric for Cross-Lingual Word Embeddings based on Graph Modularity", ACL (long) 2019
- Dasha Pruss, <u>Yoshinari Fujinuma</u>, Ashlynn R. Daughton, Michael J. Paul, Brad Arnot, Danielle Albers Szafir, Jordan Boyd-Graber: "Zika discourse in the Americas: A multilingual topic analysis of Twitter", PLOS ONE 2019
- <u>Yoshinari Fujinuma</u>, Alvin Grissom II: "Substring Frequency Features for Segmentation of Japanese Katakana Words with Unlabeled Corpora", IJCNLP (short) 2017
- <u>Yoshinari Fujinuma</u>, Hikaru Yokono, Pascual Martínez-Gómez, Akiko Aizawa: "Distant-supervised Language Model for Detecting Emotional Upsurge on Twitter", PACLIC (long) 2015

*denotes equal contribution

Selected Projects	**Analysis on Multilingual Pretraining**	2020 - 2021

- Investigating the effect of using different pretraining languages. (Paper)

Intrinsic Evaluation Measure for Cross-Lingual Embeddings   2017 - 2019
- Developed a graph-based intrinsic measure to evaluate the quality of cross-lingual word embeddings. (Paper)

Finite State Transducer (FST) for Kuromoji   2015
- Replaced a double-array trie to an FST for Kuromoji, a java-based Japanese tokenizer used in Lucene, Solr, and Elastic Search. (Github Repo)

Academic Service

- Program Committee/Reviewer:
  - 2022 AAAI, ACL Rolling Review
  - 2021 NAACL, ACL, EMNLP, CoNLL, ACL SRW, W-NUT, Workshop on NLP for Indigenous Languages of the Americas (AmericasNLP)
  - 2020 EMNLP, AACL SRW, ACL-SRW, W-NUT
  - 2019 Workshop on Noisy User-Generated Text (W-NUT)
- Secondary Reviewer:
  - 2019 ACL
  - 2017 EMNLP, WWW
- Student Volunteer: 2020 ACL

Academic Honors

- Departmental Travel Grant from CU Boulder (300 USD)   2017
- Gruduate School Travel Grant from CU Boulder (500 USD)   2017
- Dean's Fellowship from CU Boulder (1/2 of the yearly tuition and stipend) 2016
- Gruduate School Travel Grant from Univ. of Tokyo (80,000 JPY)   2013
- Gödel Foundation Prize: Best Bachelor thesis in CS and Math (50,000 JPY) 2012
- Horie Takematsu and Koh Scholarship (2,000 USD)   2010
- Student Scholarship from ICU (1/3 of the yearly tuition)   2008-2012

Computer and Language Skills

<u>Languages:</u>	Proficient: Python; Intermediate: C++, Java
<u>Software:</u>	PyTorch, Git, Vim, LaTeX, MySQL
<u>English:</u>	TOEFL iBT 101 (2015)
<u>Domain-specific:</u>	machine learning, natural language processing