Yoshinari Fujinuma

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http://akkikiki.github.io/about/

Education

University of Colorado Boulder, USA — August 2016 - Present
Advisor: Michael J. Paul; First year Computer Science PhD student

University of Tokyo, Japan — Sep. 2014
M.S. in Information Science and Technology
Advisor: Akiko Aizawa; Thesis: Detecting Upsurge of Emotion Using Characteristic Expressions in Tweets

International Christian University, Japan — March 2012
B.A. in Computer Science and Mathematics
Advisor: Grant Pogosyan; Thesis: Fault-Tolerant Packet Routing Algorithms on Hypercube Networks

Experience

Software Engineer, Amazon/A9.com, Japan — Oct. 2014 - Aug. 2016
- Built JA/ZH language detector for search queries with recall > 0.8.
- Built a semi-supervised CRF-based Japanese query label tagger with F1 $= 0.91$.

Software Engineer Intern, Amazon/A9.com, Japan — Nov. 2013 - Feb. 2014
- The first search engineer to intern at Amazon Japan.
- Detected Japanese-English transliteration pairs with F1 > 0.9.

Part-time Engineer, Atilika, Japan — Aug.- Nov. 2013, Apr.- Sep. 2014
- Built a dictionary with over 8000 product names for Japanese named entity extractor.
- Built transliteration generator from English to Japanese. Achieved around 60% in accuracy@1.

Sofware Engineer Intern, Cookpad, Japan — July 2013 (one month)
- Built a recommendation system for related topics on the community site. Accomplished approximately 1.5% of the whole user click rate. Ruby on Rails.

Publications

- Yoshinari Fujinuma, Hikaru Yokono, Pascual Martínez-Gómez, Akiko Aizawa: "Distant-supervised Language Model for Detecting Emotional Upsurge on Twitter", The 29th Pacific Asia Conference on Language, Information and Computation, Nov. 2015 (Peer-reviewed)
- Yoshinari Fujinuma: "Detecting Japanese-English Transliteration Pairs in Search Query and Clickthrough Logs", Amazon Machine Learning Conference, May 2015 (Peer-reviewed)

Projects

Finite State Transducer (FST) for Kuromoji — 2015
- Replaced a double-array trie to an FST to build a dictionary for Kuromoji, a java-based Japanese tokenizer used in Lucene, Solr, and Elastic Search.
- Github link: https://github.com/atilika/fst

Academic Honors	Dean's Fellowship (CU Boulder)	2016
	Best Bachelor thesis in CS and Math (Gödel Foundation Prize)	2012

Computer and Language Skills

Languages:	Proficient: Python, Java; Intermediate: C++, Pig, Go
Software:	Git, Vim, LaTeX, MySQL
English:	TOEFL iBT 101 (2015)