

SHUN HASEGAWA

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EDUCATION

- Tokyo Institute of Technology**, Tokyo, Japan Apr. 2018 - present
Ph.D. in Engineering
Research Advisor: Prof. Manabu Okumura
Interests: Natural Language Processing, Text Summarization, Natural Language Understanding
- Tokyo Institute of Technology**, Tokyo, Japan Apr. 2016 - Mar. 2018
M.S. in Engineering
- Tokyo Institute of Technology**, Tokyo, Japan Apr. 2012 - Mar. 2016
B.S. in Computer Science

EXPERIENCE

- Tokyo Institute of Technology** Apr. 2012 - Mar. 2016, Jan. 2020 - present
Research Assistant, Tokyo, Japan
- Implemented a novel summarization neural model from scratch (Pytorch, Chainer)
 - Adapted the rule-based method using syntactic information from English to Japanese
 - Developed a neural dialect translation method using low-resource data (1k parallel sentences)
 - Reduced training time to 50% without performance regression by the proposed data selection method in automatic text summarization
- NTT Communication Science Laboratories** Sep. 2016 - Dec. 2016
Research Intern, Nara, Japan
- Supervisor: Tsutomu Hirao
 - Adapted sentence compression for pre-processing of sentence summarization
- Tokyo Institute of Technology, Laboratory Server Admin** Apr. 2016 - Mar. 2018
Group Leader, Tokyo, Japan
- Reorganized admin group to minimize mental and time burden
 - Formulated server specifications that suit the budget and server usage (gpu, cpu, file servers)
 - Set up and maintained 30 servers (gpu, cpu, file, web, gateway, dns, nis, dhcp servers)
- Shakehands Co., Ltd.** Apr. 2012 - Mar. 2016
Software Engineer Intern, Tokyo, Japan
- Improved CVR by modifying wordpress-driven web pages and landing page
 - Analyzed web pages using Google Analytics

SELECTED PUBLICATIONS

- [1] **Shun Hasegawa**, Hidetaka Kamigaito, and Manabu Okumura. Extractiveness-based data selection for abstractive sentence summarization. *In IPSJ Natural Language Processing*, 2019. No peer review, **Young Researcher Award** (In Japanese).
- [2] **Shun Hasegawa**, Yuta Kikuchi, Hiroya Takamura, and Manabu Okumura. Japanese sentence compression with a large training dataset. *In ACL2017*, 2017. Short Paper.
- [3] **Shun Hasegawa** and Toshiya Itoh. Optimal online algorithms for the multi-objective time series search problem. *Journal of Theoretical Computer Science*, 2017.
- [4] **Shun Hasegawa** and Toshiya Itoh. Optimal online algorithms for the multi-objective time series search problem. *In WALCOM2016*, 2016. Long Paper.

AWARDS and SCHOLARSHIPS

- Young Researcher Award in IPSJ Natural Language Processing Jun. 2019
- Tokyo Tech Tsubame Scholarship for Doctoral Students Apr. 2019 - Mar. 2021
- Repayment Exemption for Outstanding Achievement, JASSO Type I scholarship (Exemption of all loan) May 2016

TECHNICAL SKILLS

Programming: Python, Bash, Pytorch, Scikit-learn, numpy, C, Java, php, javascript, html, css
Languages: English (Proficient), Japanese (Native), Mandarin Chinese (Elementary)