Hayate Iso

PhD in Engineering · NLP Researcher

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Experience

Megagon Labs	*Mountain View, CA*
RESEARCH SCIENTIST / RESEARCH ASSOCIATE / CONTRACTOR	*Jan. 2021 - present*
Amazon	*Seattle, WA*
RESEARCH INTERN	*Jul. 2020 - Oct. 2020*
Megagon Labs	*Mountain View, CA*
RESEARCH INTERN	*Feb. 2020 - Jul. 2020*
ByteDance	*Beijing, China*
RESEARCH INTERN	*May. 2019 - Nov. 2019*
Advanced Industrial Science and Technology	*Tokyo, Japan*
TECHNICAL TRAINEE	*Oct. 2018 - Dec. 2018*
Japan Society for the Promotion of Science	*Tokyo, Japan*
RESEARCH FELLOWSHIPS FOR YOUNG SCIENTISTS (DC1)	*Apr. 2018 - Feb. 2020*
RaRe Technologies	*Brno, South Moravia*
STUDENT INCUBATOR	*Jul. 2016 - Sep. 2016*

Education

Nara Institute of Science and Technology	*Nara, Japan*
PH.D. IN INFORMATION SCIENCE	*Oct. 2017 - Mar. 2021*
Nara Institute of Science and Technology	*Nara, Japan*
M.E. IN INFORMATION SCIENCE	*Apr. 2016 - Sep. 2017*
Osaka University	*Osaka, Japan*
B.S. IN MATHEMATICAL SCIENCE	*Apr. 2014 - Mar. 2016*

Publication

1. **Comparative Opinion Summarization via Collaborative Decoding**
   Hayate Iso, Xiaolan Wang, Stefanos Angelidis, Yoshihiko Suhara
   In *Findings of the Association for Computational Linguistics (ACL)*, 2022

2. **Convex Aggregation for Opinion Summarization**
   Hayate Iso, Xiaolan Wang, Yoshihiko Suhara, Stefanos Angelidis, Wang-Chiew Tan
   In *Findings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2021

3. **End-to-end Biomedical Entity Linking with Span-based Dictionary Matching**
   Shogo Ujiie, **Hayate Iso**, Shuntaro Yada, Shoko Wakamiya, Eiji Aramaki
   Biomedical Natural Language Processing Workshop (BioNLP), 2021

4. **Biomedical Entity Linking with Contrastive Context Matching**
   Shogo Ujiie, **Hayate Iso**, Eiji Aramaki
   preprint arXiv:2106.07583, 2021

5. **Fact-based Text Editinng**
   Hayate Iso, Chao Qiao, Hang Li
   In *Proceedings of Association for Computational Linguistics (ACL)*, 2020.

6. **Learning to Select, Track, and Generate for Data-to-Text**
   Hayate Iso, Yui Uehara, Tatsuya Ishigaki, Hiroshi Noji, Eiji Aramaki, Ichiro Kobayashi, Yusuke Miyao, Naoaki Okazaki, Hiroya Takamura
   In *Proceedings of Association for Computational Linguistics (ACL)*, 2019.

7. **Wisdom in Adversity: A Twitter Study of the Japanese Tsunami**
   Paolo Casani, **Hayate Iso**, Shoko Wakamiya, Eiji Aramaki
   Advances in Social Networks Analysis and Mining (ASONAM), 2018

8. **NTCIR13 MedWeb Task: Multi-label Classification of Tweets using an Ensemble of Neural Networks**
   Hayate Iso, Camille Ruiz, Taichi Murayama, Katsuya Taguchi, Ryo Takeuchi, Hideya Yamamoto, Shoko Wakamiya, Eiji Aramaki
   In *Proceedings of NTCIR Conference on Evaluation of Information Access Technologies*, 2017.

9. **Density Estimation for Geolocation via Convolutional Mixture Density Network.**
   Hayate Iso, Shoko Wakamiya, Eiji Aramaki
   arXiv preprint arXiv:1705.02750, 2017.

10. **Forecasting Word Model: Twitter-based Influenza Surveillance and Prediction**
    Hayate Iso, Shoko Wakamiya, Eiji Aramaki
    In *Proceedings of International Conference on Computational Linguistics (COLING)*, 2016.

Honors & Awards

2018	**Exemption the full amount of scholarship repayment**, JASSO
2017	**Best System Award (1st place)**, NTCIR13–MedWeb
2016	**Outstanding Research Award** , IPSJ-SIGNL
2016	**Extracurricular Research Funds ($10,000)**, Osaka University

Program Committees

2021	**Program Committee**, ACL Rolling Review: October, November, and December rounds.
2021	**Program Committee**, ACL-IJCNLP.
2020	**Program Committee**, AACL-IJCNLP.
2020	**Program Committee**, Young Researcher Association for NLP Studies (YANS).
2019	**Program Committee**, Young Researcher Association for NLP Studies (YANS).
2018	**Program Committee**, COLING.