

# RYO KAMOI

ryokamoi@utexas.edu | <https://ryokamoi.github.io/>

## EDUCATION

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<b>University of Texas at Austin</b> - Master of Science in Computer Science	Aug 2020 - Dec 2022
Advised by Greg Durrett	GPA 4.00
<b>Keio University</b> , Japan - Bachelor of Engineering in Statistics	Apr 2016 - Mar 2020
Advised by Kei Kobayashi, Top student in the Department of Mathematics	GPA 3.95
<b>Carnegie Mellon University</b> - Exchange Student	Aug 2018 - May 2019
Advised by Pradeep Ravikumar and Chandrajit Bajaj (UT Austin)	GPA 3.89

## WORK EXPERIENCE

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<b>Amazon</b> , Cambridge, UK - Applied Scientist Intern in Alexa Team (NLP)	Jul - Dec 2021
– Proposed an interpretable model for answer quality evaluation for chatbots.	
<b>SenseTime Japan</b> - Research Internship in CV for autonomous driving	Feb 2020 - Jan 2021
– Proposed a SOTA system of unknown instance detection on a monocular camera for autonomous driving.	
<b>Datasection Inc</b> , Japan - Research Internship in NLP	May 2017 - Aug 2018
– Research in Natural Language Generation (especially text VAEs) trained on a small training dataset.	

## RESEARCH INTERESTS

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Natural Language Processing - Summarization, Fact Checking, Question Answering, Evaluation metrics for NLG

## PUBLICATIONS <https://scholar.google.com/citations?user=4OWTLKAAAAAJ&hl=en>

### Natural Language Processing

- Kamoi, R.**, Goyal, T., & Durrett, G. (2023). Shortcomings of Question Answering Based Factuality Frameworks for Error Localization. In *EACL* (main).
- Kamoi, R.**, Goyal, T., Rodriguez, J. D., & Durrett, G. (2023). WiCE: Real-world Entailment for Claims in Wikipedia. *arXiv preprint 2303.01432*.

### Anomaly Detection

- Kamoi, R.**, & Kobayashi, K. (2020). Out-of-Distribution Detection with Likelihoods Assigned by Deep Generative Models Using Multimodal Prior Distributions. In *The AAAI's Workshop on Artificial Intelligence Safety*.
- Kamoi, R.**, & Kobayashi, K. (2020). Why is the Mahalanobis Distance Effective for Anomaly Detection? *arXiv preprint arXiv:2003.00402*.

### Computer Vision

- Kamoi, R.**, & Tomite, K. (2021). Efficient Unknown Object Detection with Discrepancy Networks for Semantic Segmentation. In *the NeurIPS 2021 Workshop on Machine Learning for Autonomous Driving*.
- Endo, K, **Kamoi, R.**, & Yasuoka, K. (2020). Alternative methods for fast and stable GAN training. In *MIRU*.

## HONORS AND AWARDS

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Keio University Global Fellowship - Scholarships for graduate study at UT Austin	2020
Keio Engineering Foundation Award - Graduation with highest honors (First place in the Dept. of Mathematics)	2020
Japan Student Services Organization (JASSO) Exchange Student Scholarship	2018

## SKILLS

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- Python, PyTorch, TensorFlow
  - Language: Japanese (native speaker)