

Yuki Tsushima

GitHub: [tsushiy](#)

Website: [tsushiy.com](#)

Education

- 04/2019 – **Master of Information Sciences**, *Department of System Information Sciences, Graduate School of Information Sciences, Tohoku University*, GPA: 3.31/4.0.
03/2021
04/2015 – **Bachelor of Engineering**, *Department of Electrical, Information and Physics Engineering, School of Engineering, Tohoku University*, GPA: 3.35/4.0.
03/2019

Coursework

Algorithms Theory, Highly-Reliable System Design, Cryptology

Work Experience

- 08/2019 – **Retrieva, Inc.**
09/2019
 - Involved in developing text classification system based on machine learning.
 - Implemented data balancing to handle imbalanced data.
 - Achieved a speedup in the learning process of over 10x in some cases by improving data structure of classifiers.

Research Projects

- 2018 **Image-to-Image Translation with GANs.**
 - Sped up the learning process and generated more realistic images by designing better networks and loss functions.
 - Improved FID score which measures the distance between generated and real images by 9% by incorporating feature level distance extracted by the discriminator.

Personal Projects

- Codernote**, [codernote.tsushiy.com](#).
 - A note-taking web application specialized for competitive programming problems.
 - API server and web crawler are written in Go and frontend application is written in TypeScript.

Honours

Academic

- Graduated university in the top 10%.
- Exempted from the entrance examination of the graduate school.

Scholarships

- Qualified for JEES/SoftBank AI Scholarship (only 100 students).

Awards

- Won the 1st Place in JPHACKS Sendai Hackathon.

Skills

Languages C++, Go, Python, TypeScript