Taisho Sasada

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ts_rx1182
https://scholar.google.com/citations?hl=en&user=Orh0RxAAAAAJ
https://github.com/karapto

Employment History

2020 – 2021 **Research Internship** Cybozu Labs

Aug – Sep, 2020 **Research Internship** NTT Secure Platform Laboratories

2019 – 2020 **Data Engineer Internship** Recruit Technologies Co., Ltd

2018 – 2019 **Data Scientist Internship** en-japan inc.

Education

2020 – 2022 **M.Sc. Information Science, NAIST**, Japan in Information Science.
Thesis title: *A Study on Privacy Preserving Processing of Unstructured Data*.

2016 – 2020 **B.Sc, Doshisha University**, Japan in Information Science.
Thesis title: *A Study on Method to Data Imbalanceness*

July – Sep ,2016 **Exchange Program, St Catharine's, Cambridge University**, England.

Research Publications

Conference Proceedings, Poster

1. Sasada, T., Masuda, Y., Kawai, M., Taenaka, Y., Kadobayashi, Y., & Fall, D. (n.d.). Design and implementation of a zero-trust access control mechanism to verify user authenticity, IEICE.
2. Sasada, T., Masataka, K., Taenaka, Y., & Kadobayashi, Y. (2021a). Differentially-private text generation via text preprocessing to reduce utility loss, International Conference on Artificial Intelligence in Information; Communication.
3. Sasada, T., Masataka, K., Taenaka, Y., & Kadobayashi, Y. (2021b). A pseudo-text generation model for both privacy protection and intrinsic information value preservation, Proceedings of Forum on Data Engineering; Information Management.
4. Sasada, T., Masuda, Y., Kawai, M., Taenaka, Y., Kadobayashi, Y., & Fall, D. (2021). Zero-trust access control focusing on imbalanced distribution in browser clickstreams, The Eighth International Conference on Software Defined Systems (ACCEPTED).
5. Suzuki, T., Sasada, T., Yuto, M., & Taenaka, Y. (2021). Poster: Prototype of a tamper-resistant hosted ids using intel sgx, IPSJ SIG Internet; Operation Technology.
6. Sasada, T., Liu, Z., Baba, T., Hatano, K., & Kimura, Y. (2020). A resampling method for imbalanced datasets considering noise and overlap, Procedia Computer Science.

7. Sasada, T., Taenaka, Y., & Kadobayashi, Y. (2020a). Anonymizing location information in unstructured text using knowledge graph, International Conference on Information Integration; Web-based Applications & Services.
8. Sasada, T., Taenaka, Y., & Kadobayashi, Y. (2020b). Considering the variation of the noise-addition amount in local differential privacy with user trajectory adjacency, IEICE Technical Report.
9. Sasada, T., Baba, T., Kimura, Y., & Hatano, K. (2019). A resampling method for imbalanced datasets considerating data complexity, IPSJ Technical Report.

Skills

Languages	English, Chinese, Japanese
Coding	Python, R, Go, Javascript, SQL, SAS LaTeX
Databases	MySQL, PostgreSQL, SQLite, Neo4j.
AI Framework	Tensorflow, Pytorch, PySyft
Big Data Analysis Platform	Hadoop, Spark, Kafka
SDN Framework	Ryu, Trema
Misc	Docker, Beautifulsoup4, Selenium, SMOTE

Miscellaneous Experience

Awards and Achievements

Sep, 2020	**LAC Award**, Hardening 2020 H3DX
March, 2020	**Student Incentive Award**, The 82nd national Convention of IPSJ
Feb, 2020	**Culture and Information Science Award**
2019	**SAS Institute Award**, Wakayama data utilization competition the 2th time.

Interest

- **Privacy-Preserving Technology** (Local Differential Privacy, Homomorphic Encryption)
- **Trust Technology** (Zero Trust Network, Zero Knowledge Proof)
- **Confidential Computing** (Intel SGX, ARM TrustZone, RISC-V Keystone)
- **Encrypted Database** (CryptoDB, ObliDB)
- **Causal inference** (DID, IV, CATE, LATE)

References

Available on Request