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🏛 University [The University of Osaka](https://www.sanken.osaka-u.ac.jp)

🔬 Laboratory [www.dm.sanken.osaka-u.ac.jp](http://www.dm.sanken.osaka-u.ac.jp)

🏠 Homepage [kaki005.github.io/astro\\_academia/en](https://kaki005.github.io/astro_academia/en)

🔗 Links [LinkedIn](#) | [GitHub](#) | [Arxiv](#) | [ORCID](#)



## 👤 About me

I am Soshi Kakio, a second-year M.Sc. student at The University of Osaka, Japan, and a specially appointed researcher at SANKEN (The Institute of Scientific and Industrial Research at The University of Osaka). My research mainly focuses on data stream mining and event tensor decomposition [C1]. I am fortunate to be advised by [Prof. Yasushi Sakurai](#) and [Prof. Yasuko Matsubara](#) at SANKEN. I received my B.Sc. degrees from The University of Osaka advised by [Prof. Yasushi Sakurai](#) in March 2024.

**Research interests:** [Data mining](#) [Bayesian](#) [Gaussian process](#) [Stream processing](#) [Tensor decomposition](#)

## 🎓 Education

### Ph.D. in Information Science, The University of Osaka

Department of Information Systems Engineering, Graduate School of Information Science and Technology

April, 2026 - on  
Osaka, Japan

- Exptected graduation date: March, 2026
- Supervisor: Prof. Yasushi Sakurai

### M.Sc. in Information Science, The University of Osaka

Department of Information Systems Engineering, Graduate School of Information Science and Technology

April, 2024 - March, 2026  
Osaka, Japan

- Supervisor: Prof. Yasushi Sakurai

### B.Sc. in Engineering, The University of Osaka

Department of Electronic and Information Engineering, School of Engineering

April, 2020 - March, 2024  
Osaka, Japan

- Supervisor: Prof. Yasushi Sakurai

## 👜 Experience

### SANKEN, The University of Osaka

Specially Appointed Researcher

March, 2024 - on  
Osaka, Japan

### Crev

Digital Technology Engineer

April, 2021 - on  
Osaka, Japan

## 📄 Publications

[C1] Soshi Kakio, Yasuko Matsubara, Ren Fujiwara, and Yasushi Sakurai. **Multi-Aspect Mining and Anomaly Detection for Heterogeneous Tensor Streams**. Proceedings of the ACM Web Conference 2026 (WWW '26), April 13–17, 2026, Dubai, United Arab Emirates. Acceptance rate: 20.1%. doi:[10.1145/3774904.3792175](https://doi.org/10.1145/3774904.3792175).

🔗 [kaki005/HeteroComp](https://kaki005.github.io/HeteroComp) [Arxiv](#)