Théo Raduszynski

070-8482-6904
Tokyo, Nakano City

theo@radusz.com
radusz.com
linkedin

Experience

WOTA
Lead Machine Learning Engineer

Tokyo, Japan
2023 – present

- Architect ML systems and cloud infrastructure for autonomous water recycling: design edge/cloud distribution and technical roadmap
- Developed bayesian calibration model reducing water quality sensor costs
- Built ML-integrated control systems enabling real-time optimal decisions
- Deploy statistical models for sensor real-time water quality prediction

Education

The University of Tokyo
Master's degree – Civil engineer

Tokyo, Japan
2021 – 2023

- research at Urban Disaster Mitigation laboratory (K. Meguro)
- geospatial disaster and vulnerability analysis using GIS and open data

Projects and research

Measure and spatial identification of social vulnerability, exposure and risk to natural hazards in Japan using open data.
Raduszynski, T., Numada, M. Sci Rep 13, 664 (2023). 20 citations as of June 2025.

Skills, languages and technologies

Engineering: Python, R, SQL, GIS, Docker, Git, CI/CD, unit testing, code review
ML/statistics: PyMC, NumPyro, PyTorch, bayesian modeling, time series analysis
Cloud & MLOps: AWS (IoT Core, Greengrass, Lambda, S3, Athena, ECS, SageMaker), Terraform, model deployment, monitoring
Languages: English (TOEIC 980/990), Japanese (JLPT N1), French (native)