

Yusei Fujimoto

SKILLS

Language (years)	Python (9), Java (4), C (4), C++ (1), MATLAB (2), Julia (2), JavaScript (2), Octave (0.5)
OS	Linux, Windows, Mac
DB	MySQL, SQLite, BigQuery, PostgreSQL, Metabase
Web	Backend : Flask, FastAPI, Django / Frontend: React, Node.js, Vue.js
AWS	Amazon Bracket, EC2, ECS, S3, RDS
GCP	Google-calender-API, Cloud-build, G-mail-API, BigQuery, GCE, CloudStorage, GoogleTranslate
CICD/Test	CircleCI, TravisCI, CloudBuild, Github action, pytest
Middle Ware	Docker, Docker-compose, k8s, pyenv, conda, pipenv
ML (General)	Neural-Network-lib. (Pytorch, Tensorflow, Keras), NN-Architecture (ResNet, EfficientNet, OSnet, Hardnet, MiVOLO) Scikit-learn (SVM, OCSVM, PCA, Umap, GaussianProcess. etc.), Decision-tree-model (Xgboost, LightGBM, CatBoost), NLP-lib. (Ginza, Sudachipy, Word2Vec, Gensim, MeCab), Time-series-analysis (Darts, Prophet, ARIMA, AutoARIMA, Alibi, Auto-Correlation, DTW, stft) LLM-framework (Llama-index, LangChain, phoenix)
ML (Optimization)	PyQUBO, OpenJij, MCMC, Quantum-Annealing, SA, SQA, PuLP, mip, CBC, GUROBI, Optuna, Optimizer (Adam, AdaDelta, AdaGrad, RMSProp, Momentum)
ML (evaluation)	ROC, AUC, MSE, MAE, Confusion-Matrix, SHAP, LIME, Alibi-detect
External Tools	Github, Asana, Slack, Freee, Atom, VScode, sublime, DocBase
Material creation	Word, Excel, Power point

EXPERIENCE

- Work experience.
 - AI engineer at ID Inc., Japan (April 2024 to present)
 - CTO and Data scientist at Kanda Quantum Inc., Japan (September 2020 to March 2023)
- Education
 - April 2019 to March 2021: Graduate School of Natural Science and Technology, Okayama University, specializing in Mathematical and Physical Sciences
 - April 2017 to March 2019: Faculty of Science, Okayama University, Department of Physics
 - April 2012 to March 2017: Tokuyama College of Technology, Department of Information and Electronic Engineering

Publication

- Papers

1. Yusei Fujimoto and Takanori Koga, Proposal of an Impulse Noise Detector Using Graph Structures, IEEE 2017
2. Yusei Fujimoto and Masanori Ichioka et. al., Spin pumping into a spin glass material, Phys. Rev. 2020
3. Yusei Fujimoto and Bashar Khayrul, Automatic classification of multi-attributes from person images using GPT-4 Vision, IVSP 2024
4. Bashar Khayrul and Yusei Fujimoto, EasyClick: A New Web-based Image Annotation Tool for Person Re-identification Using Deep Learning, IVSP 2024