

Samir Antonio Fersobe Dilone

<https://github.com/SamirFersobe>

Location: Tokyo, Japan

Email : samirfersobe@gmail.com

Mobile : +81 090-9251-7073

EXPERIENCE

• N-SIDE

Software Engineer; Japanese/English

October 2023 - Current

- **Description:** As the first hire in Japan, helped N-SIDE open the Japan office by proactively identifying key action items and communicating with HQ. Defined requirements and provided support for N-SIDE's main Japanese client in Japanese in both Business and Technical aspects. Contributed to various features within our proprietary power matching algorithm. Features included numerical optimization features which dived deep into algorithm using CPLEX and Java, was able to add these features without compromising the performance of the algorithm. Developed features within our infrastructure by using Gitlab CI/CD, Docker, Kubernetes, Helm, Tilt to further improve developer workflows and testing capabilities. Lead and developed the automatization of fallback procedures for core business capabilities using Python and Kubernetes CRON jobs.

• Edgio

Solutions Engineer; Japanese/English

May 2022-October 2023

- **Description:** Defined requirements for customer-tailored solutions for Japanese and ANZ customers. Developed PoCs with the use of Edgio's infrastructure and networking capabilities. Troubleshooted issues with existing customers regarding CDN, WAF and Website Optimizations. Created **caching and delivery configurations** to improve performance of file delivery. Wrote code to test AWS and Edgio integration into various features. Used edgio's frontend optimization features to implement **dynamic caching** and **predictive prefetching capabilities** on customer websites. Implemented Edgio's CyberSecurity solutions and WAF into various customer accounts and provided advise to customers on how to improve their security measures. Used tools such as **terraform and github actions to automate the deployment** of edgio infrastructure. Developed personal grafana dashboards using Edgio's log reporting capabilities. Wrote python scripts to automate various actions like API deployments, log analysis and web security testing.

• Osaka Prefecture University

Osaka, Japan

Research Assistant; Japanese

Sep. 2021 - Dec. 2021

- **Description:** Implemented new multiobjective optimization problem formulations into existing algorithms. Wrote python notebooks to analyze and explain experiment results. Refactored existing Java code base and wrote documentation to facilitate its use for future students.

PROJECTS

- **MoFGBML Visualizer:** To speed up research data analysis created a visualizer to quickly display results for the experiments done with multiobjective fuzzy genetics-based machine learning(MoFGBML). Developed with React and Node.js.
Project at https://samirfersobe.github.io/mofgbml_visualizer
- **E-Commerce Website:** Developed an e-commerce website to improve knowledge on web technologies and strengthen front-end development skills. Developed with HTML, CSS, and JavaScript.
Project at <https://atom.samirfersobe.com>
- **Inventory Management System:** As a school project, designed and developed an inventory system based on an apparel company to improve skills on database design and Windows application development. Project was developed using C# on Visual Studio and a Microsoft Access Database.
- **Tutoring Application:** Worked with a team of 5 members to develop an application to reserve sessions with a tutor online. I was in charge of the frontend design of the website. Built with Bootstrap, CSS and JavaScript. Backend was done with Python on Django.

EDUCATION

• Osaka Prefecture University

Osaka, Japan

B.E. Information Engineering; Japanese

Apr. 2020 - Mar. 2022

- **Description:** Completed courses on signal processing, information theory and computer architecture as well as abstract algebra and statistical mechanics. Pursued research on computational intelligence in the field of **fuzzy classifiers** and **evolutionary multiobjective optimization** algorithms.

- **Technologies:** Python(pandas,numpy,matplotlib), verilog(FPGA Programming), Java

- **Osaka Information and Computer Science College**

Osaka, Japan

A.S. Information Processing; Japanese

Apr. 2018 – Mar. 2020

- **Description:** Completed courses on database technologies, low level programming languages, and Windows application development. Further improved fluency in Japanese.
- **Technologies:** C++, C# , Oracle

- **Osaka Japanese Language Education Center JASSO**

Osaka, Japan

Japanese

Apr. 2017 – Mar. 2018

- **Description:** Awarded the competitive MEXT scholarship and moved to Japan to study Computer Science. Developed fluency in Japanese.
- **Certifications:** Obtained Japanese Language Proficiency Test N2 , December 2017