

Lester James V. Miranda

Blk. 12 Lot 16, Palmera Northwinds I – City of San Jose del Monte, Bulacan

✉ ljvmiranda@gmail.com • 🌐 [ljvmiranda921.github.io](https://github.com/ljvmiranda921)

Currently based in Fukuoka, Japan

Education

Waseda University

M.Eng., Major in Information Architecture
Furuzuki Neurocomputing Systems

Fukuoka, Japan

2016–present

Ateneo de Manila University

B.S., Electronics & Communications Engineering, Cum Laude
Minor in Philosophy

Quezon City, Philippines

2011–2016

Institut Catholique d'Arts et Métiers

Exchange Student, Fall Semester
7 ECTS credits

Lille, France

2015

Experience

RIKEN-Advanced Institute for Computational Sciences

Research Intern, Data Assimilation Research Team

Kobe, Japan

2017

- Created...
- Studied various high-performance computing (HPC) techniques and its applications to the K-Computer (supercomputer).

Manila Electric Company (MERALCO)

Intern, Strategy, Architecture & Governance

Pasig, Philippines

2015

- Developed use-cases for Big Data and drone automation.
- Studied the business impact of Enterprise Mobility in the company and presented its results to MERALCO's top executives.

Simbahang Lingkod ng Bayan

Intern, Disaster Risk Reduction & Management

Quezon City, Philippines

2015

- Assessed the organization's disaster reporting platform, e-Ugnay.
- Proposed improvements for platform security and scalability.

Projects

PySwarms

Owner, <https://github.com/ljvmiranda921/pyswarms>

2017

- Research toolkit for particle swarm optimization written in Python.
- Repository can be found at [GitHub](#), with [API documentation](#)

scikit-multilearn

Collaborator, <https://github.com/scikit-multilearn/scikit-multilearn>

2017

- A scikit-compatible library for multi-label classification in Python
- Reorganized unit tests and fixed repository documentation.

Scholarships Received

Monbugakusho (MEXT) Japanese Government Scholarship	2016
French Embassy Government Scholarship	2015
Department of Science & Technology SEI Merit Scholarship	2011
Ateneo College Scholarship, 100 Tuition and Fees	2011

Publications

- [1] L. J. Miranda and J. Hu, "Feature Extraction based on Stacked Denoising Autoencoders for Protein Function Prediction," in *Proceedings of the 8th International Conference on Bioscience, Biochemistry, and Bioinformatics*, ACM, January 2018.
- [2] L. J. Miranda and J. Hu, "Feature Extraction using Stacked Denoising Autoencoder for Protein Function Prediction," in *Proceedings of the 11th International Collaboration Symposium on Information, Production, and Systems*, November 2017.
- [3] L. J. Miranda, M. J. Gutierrez, S. M. Dumlao, and R. Reyes, "Appliance Recognition using Hall-Effect Sensors and k-Nearest Neighbors for Power Management Systems," in *Proceedings of the 2016 IEEE Region 10 Conference 2016*, IEEE, November 2016.
- [4] L. J. Miranda, "Expulsion from Eden: the saga of the Calautit Safari Island Park," *APEIRON Student Journal of Philosophy*, no. 8, pp. 201–219, 2016.