

Lester James V. Miranda

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

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Currently based in Fukuoka, Japan

Education

Waseda University (早稲田大学)

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 (理化学研究所)

Research Intern, Advanced Institute for Computational Sciences

○ Created...

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

Kobe, Japan

2017

Manila Electric Company (MERALCO)

Intern, Strategy, Architecture & Governance

○ 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.

Pasig, Philippines

2015

Simbahang Lingkod ng Bayan

Intern, Disaster Risk Reduction & Management

○ Assessed the organization's disaster reporting platform, e-Ugnay.

○ Proposed improvements for platform security and scalability.

Quezon City, Philippines

2015

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. V. Miranda, “PySwarms, a research-toolkit for Particle Swarm Optimization in Python,” *Journal of Open Source Software*, vol. 3, no. 433, 2018. doi: 10.21105/joss.00433.
- [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. doi: 10.1109/TENCON.2016.7847947.
- [4] L. J. V. Miranda, “Expulsion from Eden: the saga of the Calauit Safari Island Park,” *APEIRON Student Journal of Philosophy*, no. 8, pp. 201–219, 2016. ISBN: 1533659788.