Lester James V. Miranda

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

✉ ljvmiranda@gmail.com • 🌐 ljvmiranda921.github.io
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Education

Waseda University (早稲田大学) — **Fukuoka, Japan**
M.Eng., Major in Information Architecture — *2016–present*
Furuzuki Neurocomputing Systems

Ateneo de Manila University — **Quezon City, Philippines**
B.S., Electronics & Communications Engineering, Cum Laude — *2011–2016*
Minor in Philosophy

Institut Catholique d'Arts et Métiers — **Lille, France**
Exchange Student, Fall Semester — *2015*
7 ECTS credits

Experience

RIKEN (理化学研究所) — **Kobe, Japan**
Research Intern, Advanced Institute for Computational Sciences — *2018*
- Implemented data assimilation techniques (3Dvar, 4Dvar, EnKF) to the Lorenz63 model.
- Participated in the RIKEN International School on Data Assimilation with support grant.

Manila Electric Company (MERALCO) — **Pasig, Philippines**
Intern, Strategy, Architecture & Governance — *2015*
- Developed business use-cases for 3rd IT Computing Platform Technologies.
- Presented the use-cases (big data analytics, enterprise mobility, drone automation) to MERALCO's top executives.

Simbahang Lingkod ng Bayan — **Quezon City, Philippines**
Intern, Disaster Risk Reduction & Management — *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 Ministry of Foreign and European Affairs Grant	*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 *Proceedinges 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.