Lester James V. Miranda

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Education

Waseda University **Fukuoka, Japan**
M.Eng., Major in Information Architecture *2016–2018*
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 *2015*
7 ECTS credits

Experience

RIKEN-Advanced Institute for Computational Sciences **Kobe, Japan**
Research Intern, Data Assimilation Research Team *2017*
- Developed...
- Studied...

Manila Electric Company **Pasig, Philippines**
Intern, Strategy, Architecture & Governance *2015*
- Developed use-cases for Big Data and drone automation.
- Studied the business impact of Enterprise Mobility in the company.
- Presented the results of the study 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

2016: Monbugakusho (MEXT) Japanese Government Scholarship

2015: French Embassy Government Scholarship

2011: Department of Science & Technology SEI Merit Scholarship

2011: Ateneo College Scholarship, 100 Tuition and Fees

Skills

Python: Good working proficiency *numpy, pandas, scikit-learn, matplotlib, TensorFlow*

M. Learning: Research-level proficiency *deep unsupervised learning, reinforcement learning, classical ML*

Miscellaneous: Proficient *UNIX/Linux, LaTeX, Jekyll, HTML/CSS/Javascript*

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 *Proceedinges of the 2016 IEEE Region 10 Conference 2016*, IEEE, November 2016.

[4] L. J. Miranda, "Expulsion from eden: the saga of the calauit safari island park," *APEIRON Student Journal of Philosophy*, no. 8, pp. 201–219, 2016.