

# Lester James V. Miranda

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## Education

- 2016–2018 **M.Eng., Major in Information Architecture**, *Waseda University*, Fukuoka, Japan.  
Furuzuki Neurocomputing Systems
- 2011–2016 **B.S., Electronics & Communications Engineering**, *Ateneo de Manila University*,  
Quezon City, Philippines, *Cum Laude*.  
Minor in Philosophy
- 2015 **Exchange Student**, *Institut Catholique d'Arts et Métiers*, Lille, France.  
7 ECTS credits

## Experience

- 2015 **Intern**, *Manila Electric Company*, Pasig City.
- 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.
- 2015 **Intern**, *Simbahang Lingkod ng Bayan*, Quezon City.
- Assessed the organization's disaster reporting platform, e-Ugnay.
  - Proposed improvements for platform security and scalability.

## 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

## Projects

- 2017 **PySwarms**, *a research-toolkit for Particle Swarm Optimization*.
- Swarm intelligence library with various optimization techniques.
  - Developed in Python and available at [PyPI](#)
  - Repository can be found at [GitHub](#), with [API documentation](#)

## Skills

Python	Good working proficiency	<i>numpy, pandas, scikit-learn, matplotlib, TensorFlow</i>
M. Learning	Research-level proficiency	<i>deep unsupervised learning, reinforcement learning, classical ML</i>
Miscellaneous	Proficient	<i>UNIX/Linux, L<sup>A</sup>T<sub>E</sub>X, Jekyll, HTML/CSS/Javascript</i>

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## Publications

- [1] L. J. Miranda and J. Hu, "Feature extraction using stacked denoising autoencoder for protein function prediction," in *International Collaboration Symposium on Information, Production, and Systems 2017 (Accepted)*.
- [2] 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 *IEEE Technical Conference 2016*.
- [3] L. J. Miranda, "Expulsion from eden: the saga of the calauit safari island park," *APE-IRON Student Journal of Philosophy*, 2016.