ERICKSON FAJICULAY

Address   : Taipei City Taiwan
Email   : efajiculay@yahoo.com
Cellphone # : +886910503944
LinkedIn   : linkedin.com/in/erickson-fajiculay-92414078
ORCID   : https://orcid.org/0000-0002-5515-1493

SUMMARY

- Experienced Research Associate with demonstrated history of working in both **local** and **international** academic research institutions. Approximately **4 years** of local **teaching** experience.

- Skilled in computer programming, machine learning, data science, and computational analysis applied to scientific problems in **chemistry**, biology, and related fields.

- Strong research professional with a Master of Science in **Chemistry**, with units in Master of Information Systems, and currently pursuing Ph.D. in Bioinformatics with focus on systems biology.

EDUCATION

Ph.D. in Bioinformatics
NATIONAL TSINGHUA UNIVERSITY/
ACADEMIA SINICA/TIGP
Taipei City, Taiwan
2018-present (On going)

Master of Information Systems
UNIVERSITY OF THE PHILIPPINES OPEN UNIVERSITY
2017-present (LOA)

Master of Science in Chemistry
UNIVERSITY OF THE PHILLIPPINES DILIMAN
2009-2014 (Graduated)

Bachelor of Science in Chemistry
POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
(Sta. Mesa Manila)
2004-2008 (Graduated)

WORK EXPERIENCE

Position	Institution	Period
Research Associate	Nanyang Technological University Singapore	2016 – 2018 (2.5 years)
Senior Science Research Specialist (DOST-CIP)	Philippine Textile Research Institute/ Department of Science and Technology	Feb – Dec 2015 (11 months)
Science Research Specialist	University of the Philippines/ Department of Science and Technology	Mar – Nov 2014 (9 months)
Chemist II	CRL Environmental Corporation	Sep 2013- Jan 2014 (5 months)
Science Research Specialist	Philippine Institute of Volcanology and Seismology	2011- 2013 (2 years)
College Instructor (Part-time)	Polytechnic University of the Philippines	2008 to 2012 (4 years)

PUBLICATIONS

Newhall, C*., Costa, F., Ratdomopurbo, A., Venezky, D., Widiwijayanti, C., Thin Zar Win, N., **Fajiculay, E**. 2017. WOVOdat – An online, growing library of worldwide volcanic unrest. Journal of Volcanology and Geothermal research 345 184-199

Costa, F*., Widiwijayanti, C., Nang, T.Z.W., **Fajiculay, E**., Espinosa-Ortega, T. and Newhall, C. (2019), "WOVOdat – the global volcano unrest database aimed at improving eruption forecasts", Disaster Prevention and Management, Vol. 28 No. 6, pp. 738-751.

PAPER FOR SUBMISSION

Fajiculay, E*., Hsu, C.P., BioSANS: A Software Package for Symbolic and Numeric Biological Simulation.

PAPER SUBMITTED IN NATURE

Wu, H*., Wu, J. F., **Fajiculay, E**., Hsu, C. P., Wu, S. H. Noise reduction by upstream open reading frames.

SELECTED CONFERENCE ORAL/POSTER PRESENTATION

Fajiculay, E*., Hsu, C.P., BioSANS: A Software Package for Symbolic and Numeric Biological Simulation. T2COMSA, 2020, Taiwan.

Fajiculay, E*., Win, N-T-Z., Widiwijayanti, C., Costa, F., Newhall, C., Ratdomopurbo, A., 2017, Improving WOVOdat Online Tools For Eruption Forecasts, IAVCEI General Assembly 2017, Portland, USA.

Fajiculay, E*., Win, N-T-Z., Widiwijayanti, C., Costa, F., Newhall, C., Ratdomopurbo, A., 2017, WOVOdat-Learn: Online Machine Learning Plugin for WOVOdat. AOGS Meeting 2017, Singapore.

RESEARCH INTEREST

- Development of softwares, algorithms, and databases with scientific application.
- Modeling biochemical systems and cellular processes.
- Quantitative structure property/activity relationship.
- Collaborative research work with experimentalist.
- Development of theories and mathmatical equations.
- Bioinformatics analysis.

REFERENCES

Genesis Albarico
College Instructor
Visayas State University
Ph.D. Student, Czech Republic
Genesis.albarico@vsu.edu.ph
09618432805

Dr. Christina Widiwijayanti
Senior Research Fellow
Earth Observatory of Singapore
Nanyang Technological University
cwidiwijayanti@ntu.edu.sg
+656592 1775