



GLENN PAUL P. GARA

Asst. Professor, Machine Learning Researcher
University of the Immaculate Conception, Davao City, Philippines

glenngara.github.io

MY BACKGROUND

I am passionate about Machine Learning and Artificial Intelligence, and its applications in machine vision and graphs. Currently, I'm working on my PhD dissertation about the theory and development of shallow neural network architectures and incremental learning algorithms.

SKILLS

- Data Science
- Machine Learning
- Neural Networks
- Adversarial Examples
- Computer Vision

CONTACT ME!

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OTHER ACTIVITIES

- Write blog articles on Machine Learning, Neural Networks, and Artificial Intelligence
- Conduct experiments on state-of-the-art Machine Learning techniques for learning purposes
- Volunteer at a Christian Church as a Kids Church Teacher every Sunday
- Leading a group of young men professionals to grow in their relationship with Jesus Christ
- When I'm away, I seek adventure activities such as hiking and mountain climbing

EDUCATION

Doctor of Philosophy in Computer Science, De La Salle University, Dissertation Writing
Master in Information Technology, University of the Immaculate Conception, 2014
Bachelor of Science in Information Technology, University of Southeastern Philippines, 2012

AWARDS AND GRANTS

PhD Scholarship Grant Recipient, Commission on Higher Education, 2017-Present
Best Student Paper Award, IAENG International Conference on Data Mining and Applications, 2015
Undergraduate Scholarship Grant, Oplan Kaalam Scholarship Program, 2008-2012

AFFILIATIONS

ACM International Conference on Communication and Information Processing, Technical Committee
International Association of Engineers, Member
Computing Society of the Philippines, Member
Philippine Society of Information Technology Educators, Member

CAREER HISTORY

SpeechTherapy.Ai, 2020-Present
Machine Learning Engineer; Leading the development of an artificial intelligence for speech problem detection

DLSU Center for Complexity and Emerging Technologies, 2017-Present
Ph.D. researcher on collaboration research networks; Developed an Adversarial Example technique on images; Trains research interns on data science topics

University of the Immaculate Conception, 2014-Present (On leave)
Asst. Professor in College of Computer Studies; Academic Coordinator (2016-2017); Conducts lectures and prepares course materials on Computer Science and Information Technology courses (Information Management, Machine Learning, Data Science) in undergraduate and graduate level

AMA Computer College - Davao, 2012-2014
Instructor of Information Technology courses (Web Programming, Database Management Systems, Software Engineering) in undergraduate level

TALKS, PRESENTATIONS AND PARTICIPATIONS

IEEE TENCON 2018, Paper Presenter, Jeju Island, South Korea, 2018
NTU Winter School on Complexity Science, Participant, Nanyang Technological University, Singapore, 2018
Data Analytics Congress: A Convergence of Data Analysts, Invited Talk, Ateneo de Davao University, 2016
International MultiConference of Engineers and Computer Scientists, Paper Presenter, Hong Kong, 2015
Mindanao Conference for Information Technology Educators, Invited Talk, Ateneo de Davao University, 2014

SELECTED PEER-REVIEWED PUBLICATIONS

Gara, G.P.P., Azcarraga, A.P. 2020. Generating Adversarial Examples Using Uniform Pixels and Neighbor Aggregation, In *Proceedings of the 20th Philippine Computing Science Congress* (Baguio City, Philippines, March 19-21, 2020).

Santiago, E.B., **Gara, G.P.P.** 2018. A Model Based Prediction of Desirable Applicants through Employee's Perception of Retention and Performance, In *Proceedings of 10th IEEE International Conference on Humanoid, Nanotechnology, Information Technology, Communication and Control, Environment, and Management* (Baguio City, Philippines, November 30-December 31, 2018).

Gara, G.P.P., Pacot, M.P.B., Uy, R.L.T. 2018. RISC-Based Simulation of Longest Common Subsequence Algorithm in MIPS64 Simulators, In *Proceedings of TENCON 2018 - 2018 IEEE Region 10 Conference* (Jeju Island, South Korea, October 28-31, 2018).

Tejada, J.A., **Gara, G.P.P.** 2017. LeafCheckIT: A Banana Leaf Analyzer for Identifying Macronutrient Deficiency, In *Proceedings of 3rd ACM International Conference on Communication and Information Processing* (Tokyo, Japan, October 26-27, 2017).

Gara, G.P.P., Padoa, F.R.F. 2015. Mining Association Rules on Students' Profiles and Personality Types, In *Proceedings of the International MultiConference of Engineers and Computer Scientists 2015* (Kowloon, Hong Kong, March 18-15, 2015). **Best Student Paper**