

ANGELINA AQUINO

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EDUCATION

- 2022 – present Ph.D. (ongoing), *Charles Darwin University*
Topic: Disaster communication, intercultural translation, and language technology
- 2019 – 2021 M.S. Electrical Engineering, *University of the Philippines Diliman*
Thesis: Universal Dependency Treebanking and Parsing for Tagalog
- 2014 – 2019 B.S. Electronics and Communications Engineering (*cum laude*), *University of the Philippines Diliman*

WORK EXPERIENCE

- 2021 – 2022 Senior Lecturer, *University of the Philippines Diliman*
- 2019 – 2021 Teaching Associate, *University of the Philippines Diliman*
Subjects taught:
- EEE 111 Introduction to Programming and Computation
 - EEE 121 Data Structures and Algorithms
 - EEE 147 Signals and Systems
 - CoE 197C Introduction to Audio and Speech Signal Processing

EXTENSION ACTIVITIES

- 2023 – present Ensemble Tutor, *CDU Centre for Youth and Community Music*
- Conducts extramural classes in choral singing for youth and seniors' choirs
- 2022 – present Research Assistant, *CDU Northern Institute*
- Assists in resource creation, data collection & analysis, and workshop facilitation
- 2021 Consultant, *UP Department of Linguistics & University of Cologne CRC 1252*
Project: "B05 - Prominence related structures in symmetrical voice systems"
- Developed dependency parsing and morphological analysis tools for the Tagalog language towards cross-lingual analysis of morphosyntax in Austronesian languages
- 2020 Consultant, *Center for Educational Measurement, Inc.*
- Developed test items for assessment of quantitative ability in college aptitude tests
- 2019 Consultant, *UP Center for Integrative and Development Studies*
Project: "Mother Tongue-Based Multilingual Education Literacy Test Package"
- Developed tools for phonetic and lexical assessment of K-3 texts in Philippine languages

PUBLICATIONS

- 2024 [Envisioning NLP for intercultural climate communication](#)
S. Bird, A. Aquino, and I. M. Gumbula. Proceedings of the 1st Workshop on Natural Language Processing Meets Climate Change (ClimateNLP 2024), Bangkok, Thailand
- 2024 [What's the weather story? Both-ways learning in Indigenous-led climate communication workshops in northern Australia](#)
A. Aquino, I. M. Gumbula, N. Bidwell, and S. Bird. Proceedings of the 18th Participatory Design Conference (PDC 2024), Sibul, Malaysia

- 2022 [Zero-shot and few-shot approaches for tokenization, tagging, and dependency parsing of Tagalog text](#)
A. Aquino and F. de Leon. Proceedings of the 36th Pacific Asia Conference on Language, Information and Computation (PACLIC 2022), online
- 2020 [Parsing in the absence of related languages: Evaluating low-resource dependency parsers on Tagalog](#)
A. Aquino and F. de Leon. Proceedings of the 4th Workshop on Universal Dependencies (UDW 2020), online
- 2019 [SukatWika: An Analysis Software for Linguistic Properties of Texts](#)
K. L. Lucasan, A. Aquino, F. P. Santelices, and D. Ocampo. Proceedings of the International Conference on Language Technologies for All (LT4All): Enabling Linguistic Diversity and Multilingualism Worldwide, Paris, France
- 2019 [G2P and ASR techniques for low-resource phonetic transcription of Tagalog, Cebuano, and Hiligaynon](#)
A. Aquino, J. L. Tsang, C. R. Lucas, and F. de Leon. Proceedings of the 9th International Symposium on Multimedia and Communication Technology (ISMAC 2019), Quezon City, Philippines

AWARDS AND SCHOLARSHIPS

- 2021 DOST-SEI Foreign Graduate Scholarship in Priority Fields in Science and Technology, *Department of Science and Technology, Philippines*
- 2019 Samsung Research Excellence Award, *Samsung R&D Institute Philippines*
- 2015 DOST-SEI Merit Scholarship, *Department of Science and Technology, Philippines*
- 2014 Oblation Scholarship, *University of the Philippines*

RESEARCH ADVISING

- 2021 – 2022 Scalogram vs Spectrogram as Speech Representation Inputs for Speech Emotion Recognition using CNN
M. D. Enriquez (undergraduate project)
- Voice Conversion of Tagalog Synthesized Speech Using Cycle-GAN
J. Ganhinhin and M. D. Varona (undergraduate project)
- An automated recognition system for phonological awareness of kindergarten students in Filipino
J. Maranan (undergraduate project)
- Part-of-Speech Tagging for Pangasinan Language
J. Pinto (undergraduate project)
- 2020 – 2021 Text-to-Speech Systems for Tagalog using Unit Selection and Deep Learning
E. J. Renovalles (undergraduate project)
- 2019 – 2020 Tagalog-Pangasinan Statistical Machine Translator
M. Visperas (undergraduate project)
- Comparative Analysis of MFCC, LFCC, LPCC, and their Fusions as Acoustic Features for Speaker Diarization
M. J. Avila and E. J. Lopez (undergraduate project)

Speech Denoising in Deep Audio Visual Speech Recognition Systems for
Noise-Robust Speech Recognition

J. J. Gopez, M. G. Layug, T. M. Montañez, and A. J. Noroña (undergraduate project)

AFFILIATIONS

<i>2024</i>	Vocalective (performer)
<i>2022 – 2024</i>	Darwin Chorale (performer; librarian)
<i>2022 – 2023</i>	CDU Yoga Lifestyle Club (member; officer)
<i>2014 – 2021</i>	U.P. Singing Ambassadors (performer; committee member; librarian)
<i>2015 – 2019</i>	U.P. Circuit (committee member)

SKILLS AND INTERESTS

<i>fluent in</i>	Tagalog (mother tongue), English (IELTS 8.5)
<i>basic understanding of</i>	Bicolano, Japanese, French
<i>experienced in</i>	Python, MATLAB, C++, C, C# for Unity, Java; choral singing, musical theatre, graphic design, video post-production
<i>interested in</i>	natural language processing for Philippine and Indigenous languages; community-driven and open-access technologies

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