

LESTER PHILLIP VIOLETA

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RESEARCH INTERESTS

Speech processing tasks such as speech recognition and voice conversion with minimally-resourced datasets.

EDUCATION

Ph.D. Intelligent Systems

Apr. 2023 - Mar. 2026

Nagoya University

Adviser: Prof. Tomoki Toda

M.S. Intelligent Systems

Apr. 2021 - Mar. 2023

Nagoya University

Adviser: Prof. Tomoki Toda

Research Title: Improving Pathological Speech Recognition Systems Through Pretraining and Data Augmentation

B.S. Electronics Engineering

Aug. 2015 - May 2020

Ateneo de Manila University

Advisers: Prof. Jose Claro Monje and Prof. Erees Queen Macabebe

Research Title: Microgrid Energy Management System Development for Remote-Island Electricity Access

Research Exchange Student

Aug. 2020 - Jan. 2021

Institut Catholique d'Arts et Metiers, Site de Paris-Senart

Adviser: Prof. Meriem Labourel

CONFERENCE PUBLICATIONS

1. **L.P. Violeta**, W.-C. Huang, T. Toda, "Investigating self-supervised pretraining frameworks for pathological speech recognition," Proc. INTERSPEECH, pp. 41-45, Incheon, Korea, Sep. 2022.
2. D. Ma, **L.P. Violeta**, K. Kobayashi, T. Toda, "Two-Stage Training Method for Japanese Electrolaryngeal Speech Enhancement Based on Sequence-to-Sequence Voice Conversion" Proc. IEEE SLT, pp. ***-***, Doha, Qatar, Jan. 2021.
3. W.-C. Huang, B.M Halpern, **L.P. Violeta**, O. Scharenborg, T. Toda, "Towards identity preserving normal to dysarthric voice conversion," IEEE ICASSP, pp. 6672-6676, Singapore, May 2022.

DOMESTIC PUBLICATIONS

1. **L.P. Violeta**, W.-C. Huang, T. Toda, "A comparison of pretraining frameworks for improving pathological speech recognition," , 2-Q-25, pp. 1227-1228, Sep. 2022.
2. D. Ma, **L.P. Violeta**, K. Kobayashi, T. Toda, "Sequence-to-sequence voice conversion training using synthetic parallel data for electrolaryngeal speech enhancement," , 2-8-8, pp. 1161-1162, Sep. 2022.

AWARDS AND SCHOLARSHIPS

Ph.D. Fellow

Nagoya University Interdisciplinary Frontier Fellowship

Awardee

Interspeech 2022 Travel Grant

Awardee

Monbukagakusho Japanese Government Full Scholarship

INTERNSHIPS AND WORK EXPERIENCE

Research Assistant Nagoya University	Apr 2022 - Present <i>Aichi, Japan</i>
Research Science Intern NTT Media Intelligence Laboratories Adviser: Dr. Atsushi Ando	Mar 2021 - Mar 2022 <i>Kanagawa, Japan</i>
Research Science Intern Hitachi Ltd. Adviser: Dr. Takashi Sumiyoshi	Jan 2021 - Jun 2021 <i>Tokyo, Japan</i>
Machine Learning Engineer Wasimil	Jan 2021 - Jun 2021 <i>Remote</i>
Software Engineer Senti AI	May 2020 - Dec 2020 <i>Makati, Philippines</i>
Software Engineer Cascadeo Corporation	Jun 2019 - Feb 2020 <i>Quezon City, Philippines</i>

SKILLS

Programming	Python (PyTorch, Pandas, NumPy, Scikit-learn. etc.).
Miscellaneous	Linux, Shell (Bash/Zsh), L ^A T _E X(Overleaf), VIM, Git.
Speech Processing Toolkits	ESPNet, s3prl

LANGUAGES

Native	Tagalog
Bilingual	English
Conversational	Japanese