

Galvin Brice Sy Lim

Electronics and Communications Engineering



Galvin is a BSMS graduate in Electronics and Communications Engineering from De La Salle University - Manila. He possesses a strong foundation and professional interest in electronic system design, microelectronics, embedded systems, Internet of Things, artificial intelligence, robotics, and brain-computer interface technology. Driven by a passion for innovation, he is dedicated to advancing modern engineering solutions and contributing to groundbreaking developments in these rapidly evolving fields.

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: [Galvin-Brice-Lim](https://www.researchgate.net/profile/Galvin-Brice-Lim)

Experience

May 2024 – Aug 2024

Test Development Engineering Intern at onsemi Philippines - Carmona

- Collaborated with senior engineers to develop, qualify, and document test solutions, ensuring seamless deployment of new or updated protocols in the production line
- Assisted in ETS364 test program conversion projects, focusing on OptionX Enablement and Turbo Activation to enhance testing efficiency
- Developed an Automated Test Program Conversion Tool to streamline processes, accelerating the timeline for full test program conversion
- Supported migration of test solutions from A575 to iFLEX, specifically developing and validating test blocks for the new tester

Aug 2023 – Sep 2023

Mathematical Informatics Intern at Nara Institute of Science and Technology

- Collaborated with distinguished professors and experts from the deep learning and neuroscience domains
- Developed a novel classification model for EEG motor imagery utilizing classical and graph-based deep learning architectures

Feb 2022 – Sep 2023

Member Board of Directors at Institute of Electronics Engineers of the Philippines - Manila Student Chapter

- Served as the key representative for the university, ensuring clear and effective communication of membership drives and upcoming events to the members of the university community

Skills

Programming

Python C C++ VBA
MATLAB & Simulink Java Git

Electronic CAD

NI Multisim NI Ultiboard Proteus
EasyEDA LTSpice Vivado (VHDL)
Altair FEKO Ansys HFSS

Embedded System

Arduino Raspberry Pi Microchip PIC
mikroC MPLAB (Assembly Language)

Data Networking

Wireshark GNS3

Semiconductor ATE

ETS364 iFlex A575

Artificial Intelligence

Machine Learning Deep Learning
Graph Neural Network TensorFlow
PyTorch Genetic Algorithm
Fuzzy Logic Brain-Computer Interface

Soft Skills

Project Management Problem Solving
Organizational Leadership

Sep 2021 – Dec 2022

Executive Vice President for Academics at DLSU Electronics and Communications Engineering Society

- Oversaw the Academics Committee in delivering academic support to the ECE student body, including providing tutorials, course reviewers, formula sheets, and supplementary materials, along with managing the ECES website to enhance the academic experience
- Led project heads in the planning, coordination, execution, hosting, and management of career talks, field talks, skill workshops, and competitions aimed at developing the knowledge and skills of aspiring ECEs, preparing them for future professional endeavors
- Initiated and spearheaded the annual and series of ECES flagship events as well as IEEE TechEx 2021 in collaboration with IEEE UPD, MU, TUPM, and UST Student Branches
- Supported the Executive Committee in streamlining organizational systems and processes, creating an official project handbook to guide officers in project preparation and event management, while also monitoring member well-being

Nov 2020 – Sep 2021

Assistant Vice President for Research and Development at DLSU Electronics and Communications Engineering Society

- Assisted in overseeing the Research and Development Subcommittee and supported the organization in its transition to fully online projects and activities
- Developed and managed the organization's new official website, ensuring an effective online presence
- Initiated, planned, coordinated, conducted, hosted, and managed various field talks, competitions, as well as the first ECE caravan and virtual plant tour
- Delivered tutorial services and created ECE course reviewers and notes to assist ECE students, particularly in adapting to the full online learning environment

Education



Sep 2019 – Dec 2024

Bachelor and Master of Science (BS/MS Honors) in Electronics and Communications Engineering from De La Salle University - Manila

- CGPA: 3.833/4.00 (BS) 4.00/4.00 (MS)
- Summa Cum Laude
- Jose Rizal Honors Society Award (Consistent 1st Dean's Lister)
- Gold Medal for Outstanding Graduate Thesis
- Eduardo M. Cojuangco Jr. Award for Excellence in Leadership and Research Innovation
- DOST-ERDT Scholar
- Trainee, DLSU Winner's Circle

Awards



Oct 2023

2nd Runner-Up at IECEP - MSC Academic Festival 2023: ECExpelliarmus: Wizardry Battle to the Top (Interscholastic Quiz Show)

Jun 2023

1st Runner-Up at ELEVATE: Race for Topnotchers

Nov 2022

Semifinalist Qualifier at 25th SquEEEze: Intercollegiate EEE Quiz Show

Nov 2022

Champion at IECEP National Student Summit 2022: Electronics Engineering Interscholastic Quiz Show 2022

Oct 2022

2nd Runner-Up at IECEP - MSC Academic Festival 2022: AcECEleration (Interscholastic Quiz Show)

May 2022

Top 20 Qualifiers at Brodcast ng Talino 2022

Feb 2022

Difficult Round Qualifier at AutoMATHic 2022: In It 2 Win It

Nov 2021

2nd Runner-Up at IECEP National Student Summit 2021: Programming Competition

Nov 2021

Champion at Analog Devices Engineering Champs

Oct 2021

Champion at IECEP - MSC Academic Festival 2021: The ECEPTIONALS: Showdown of the Minds - Programming Competition

Apr 2021

2nd Runner-Up at Smart EDGE ECE Battle of the Brains S2 (Gold)

Jul 2017 – Apr 2019

Senior High School Diploma in Science, Technology Engineering, and Mathematics - Information Technology from Chiang Kai Shek College

- With High Honors (2nd Honor)
- Best in Mathematics
- Best in Capstone Project

Publications

Conference Proceedings (Co-First Authored)

Anabeza, C. C., Lim, G. B. S., Velasco, M. L. P., Sybingco, E., & Ligutan, D. D. (2023). ***DTW Threshold Determination for English Word Utterances in Filipino Accent using MFCC***. *2023 17th International Conference on Ubiquitous Information Management and Communication (IMCOM)*, 1–7.

Hao, E. C. C., Lim, G. B. S., Cabatuan, M. K., Sybingco, E., & Dulay, A. (2022). ***CNN-based Baybayin Character Recognition on Android System***. *TENCON 2022 - 2022 IEEE Region 10 Conference (TENCON)*, 1–6.

Submitted Works

Lim, B. G., Lim, G. B., Tan, R. R., & Ikeda, K. (2024). ***Contextualized Messages Boost Graph Representations***. Submitted to The Thirteenth International Conference on Learning Representations.

Lim, G. B. S., Lim, B. G. S., Bandala, A. A., Jose, J. A. C., Chu, T. S. C., & Sybingco, E. (2024). ***AGTCNet: A Graph-Temporal Approach for Principled Motor Imagery EEG Classification***. Submitted to The IEEE Access.

Conferences & Seminars

May 2022

Fast Reacting, Optical Encoder Feedback System for Miniature Motor Driven Applications by Analog Device Inc.

Dec 2020

Philippine Android Weekend 2020 by Developer Student Club Taft & Developer Student Club Benilde

Dec 2019

Intel FPGA Academic Workshop by Intel, Programmable Solutions Group

Languages

English
Mandarin
Filipino
Hokkien

Certifications

Aug 2024

Six Sigma: Green Belt from LinkedIn

Jul 2024

Six Sigma Foundations from LinkedIn

Sep 2023

Fundamentals of Deep Learning from Nvidia

Oct 2018

HSK (Level 5) Chinese Proficiency Test from Confucius Institute Headquarters (Hanban)

Organizations

Oct 2022 – Present

Member at Institute of Electrical and Electronics Engineers

Oct 2022 – Present

Member at IEEE Young Professionals