

# Galvin Brice Sy Lim

Licensed Electronics Engineer & Electronics Technician

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## 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

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

## 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

## Languages



English	Business Proficiency
Mandarin	HSK Level 5
Filipino	<u>Native Proficiency</u>
Hokkien	Native Proficiency

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

**Publications**

**Journal Articles**

Lim, B. G., Lim, G. B. S., Tan, R. R., & Ikeda, K. (2025). **Contextualized Messages Boost Graph Representations**. *Transactions on Machine Learning Research*.

Lim, G. B. S., Lim, B. G. S., Bandala, A. A., Jose, J. A. C., Chu, T. S. C., & Sybingco, E. (2025). **AGTCNet: A Graph-Temporal Approach for Principled Motor Imagery EEG Classification**. *IEEE Access*. (Under Review).

**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.

**Conferences & Seminars**

Dec 2019

**Intel FPGA Academic Workshop by Intel, Programmable Solutions Group**

**Licenses & Certifications**

Apr 2025

**Licensed Electronics Engineer from Philippine Professional Regulation Commission**

Apr 2025

**Licensed Electronics Technician (Unofficial 4th Placer) from Philippine Professional Regulation Commission**

Aug 2024

**Six Sigma: Green Belt from LinkedIn**

Jul 2024

**Six Sigma Foundations from LinkedIn**

Sep 2023

**Fundamentals of Deep Learning from Nvidia**

**Awards**

Oct 2023

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

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 EXCEPTIONALS: Showdown of the Minds - Programming Competition**