

Carl Andersen M. Tan

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PROFESSIONAL SUMMARY

Fresh graduate with degrees in Biology and Environmental Science backed by an international academic background in Japan, the Philippines, and the United States. Recognized for academic excellence (Valedictorian, multiple scholarships) and research contributions (Faculty of Agriculture Award). Experienced in collaborative, research-driven environments that require adaptability, and problem-solving. Passionate about applying analytical, organizational, and interpersonal skills to contribute meaningfully in business-focused environments.

EDUCATION

Kyushu University, *International Undergraduate Program* **Fukuoka, Japan**
Bachelor of Science in Bioresource and Bioenvironment *Oct 2021 - Sept 2025*

- GPA: 3.9/4.0
- Awards: Valedictorian (九州大学学生表彰); Kyushu University Scholar; Faculty of Agriculture Award (農学部賞)

Northern Arizona University, *Dual Degree Program* **Flagstaff, AZ, USA**
Bachelor of Science in Biology *Aug 2023 – Dec 2025*

- GPA: 4.0/4.0
- Awards: International Global Programs Scholar, Deans list

Xavier School, *International Baccalaureate Diploma Program (IBDP)* **Manila, Philippines**
International Baccalaureate Diploma; High school Diploma *Mar 2019-May 2021*

- GPA: 96/100; 41/45pts | Rank 5

WORK EXPERIENCE

Laboratory of Genome Chemistry Engineering, *Kyushu University* **Fukuoka, Japan**
Student Researcher (Internship) *Aug 2024 - Sept 2025*

- Engineered custom proteins for translational enhancement studies targeting gene-related kidney diseases for potential therapeutic applications.
- Maintained adherence to good laboratory practices (GLP) and quality standards (ISO/IEC 17025 principles).
- Optimized experimental protocols (western blot, BCA, RT-qPCR) several of which were formally adopted as standard procedures in the laboratory.
- Delivered monthly presentations on high-impact research papers while collaborating with an international team to coordinate research schedules, optimize workflows, and troubleshoot experimental protocols.

Laboratory of Developmental Disorders and Toxicology, *Kyushu University* **Fukuoka, Japan**
Research Assistant (Part-time) *Feb 2023 - July 2023*

- Designed and conducted environmental toxicology experiments using to investigate systemic effects of chemical exposure, including microbiome and behavioral outcomes.
- Collaborated with senior researchers in collecting, analyzing and interpreting biological data, contributing to a co-authored manuscript submitted to a peer-reviewed journal.

SKILLS

Soft Skills:

Initiative, Team coordination, Critical thinking, Problem-solving, Technical communication, Project management

Hard Skills:

Data analytics and presentation: (Microsoft Office [Excel, Word, Powerpoint, Teams], Canva, stata)

Bioinformatics: (NCBI tools, Ensembl, BLAST, TargetScan)

Microbiology: (Good Laboratory Practice (GLP), Aseptic handling, Microbial (liquid/solid) culture, CFU analysis, Differential/simple stains)

Molecular Biology & Biochemistry: (PCR, RT-qPCR, ELISA, Western blot, BCA, In situ hybridization (WISH), Primer & gRNA design, Sanger sequencing, Fluorescent microscopy, Mammalian cell culture, Cloning, Transfection, Vector construction, QuantStudio Design, Bio-Rad imaging systems)

INVOLVEMENT EXPERIENCE

Student Ambassador

Oct 2021 - Sept 2025

Kyushu University International Student Section

- Featured in university PR materials, including interviews and articles now used to promote academic programs to prospective students.
- Delivered 5+ outreach presentations for Kyushu University including schools in Japan and the Philippines.

Manager

July 2024 - Sept 2025

IUPE Badminton Club

- Expanded membership from a 20 to 80+ students, including international and cross-department members.
- Coordinated weekly practice sessions and managed logistics of booking venues and payment collection.

Vice President

Mar 2019 - May 2021

Xavier Science Guild

- Managed a 50+ member student organization overseeing workshops, and academic events.
- Organized and emceed school science events with 100+ participants, and integrated biotechnology concepts into event content.
- School Representative in science competitions, including La Chime 2020 (University of the Philippines Biochemistry Society), placing First Runner-Up.

Volunteer Teacher

April 2020 - May 2020

Para Kay Kiko, *Elementary School Teaching Foundation*

- Delivered English and science lessons to 40+ students in Tagalog via online platforms.
- Designed and implemented lesson plans, PowerPoint presentations, and assessments.

LANGUAGES

English – Native

Filipino – Native

Japanese – Intermediate/Conversational

Hokkien – Intermediate/Conversational

Mandarin – Basic