

# Carl Andersen M. Tan

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## PROFESSIONAL SUMMARY

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Fresh graduate with degrees in Biology and Environmental Science and an international academic background across Japan, the Philippines, and the United States. Trained in research-oriented environments with strong experience in data analysis, problem-solving, and translating technical findings for diverse audiences. Recognized for academic excellence (valedictorian, summa cum laude) and research contributions. Seeking to apply analytical rigor, and cross-functional collaboration in business-focused environments.

## EDUCATION

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**Northern Arizona University, Dual Degree Program**  
Bachelor of Science in Biology

**Flagstaff, AZ, USA**  
Aug 2023 – Dec 2025

- GPA: 4.0/4.0 | Honors: *Summa cum laude*

**Kyushu University, International Undergraduate Program**  
Bachelor of Science in Bioresource and Bioenvironment

**Fukuoka, Japan**  
Oct 2021 - Sept 2025

- GPA: 3.9/4.0 | Honors: *Valedictorian* (九州大学学生表彰)

**Xavier School, International Baccalaureate Diploma Program (IBDP)**  
International Baccalaureate Diploma; High school Diploma

**Manila, Philippines**  
Mar 2019-May 2021

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

## WORK EXPERIENCE

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**Laboratory of Genome Chemistry Engineering, Kyushu University**  
Student Researcher (Internship)

**Fukuoka, Japan**  
Aug 2024 - Sept 2025

- Supported project planning and execution by coordinating project timelines, priorities, and day-to-day tasks.
- Led 10+ journal club presentations and worked with a 20-person international team to align research timelines and resolve experimental protocol issues.
- Optimized multiple workflows (experimental protocols), reducing failure rates and run time by 30% and enabling laboratory-wide adoption.
- Designed and tested 40+ samples of custom proteins daily for therapeutic potential in kidney diseases.

**Laboratory of Developmental Disorders and Toxicology, Kyushu University**  
Research Assistant (Part-time)

**Fukuoka, Japan**  
Feb 2023 - July 2023

- Maintained 100% error-free documentation to support reporting, analysis, and operational continuity.
- Developed and tested experimental designs promoting data-driven problem solving and root-cause analysis.

## SKILLS

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**Soft Skills:** Project management, Data Analysis, Adaptability, Problem-solving, Technical communication, Team coordination, Initiative

**Hard Skills:** *Data analytics and presentation:* (Microsoft Office [Excel, Word, Powerpoint], Canva, stata),  
**Project management:** (Notion, Slack, Microsoft Teams)

## INVOLVEMENT EXPERIENCE

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### Student Ambassador

*Oct 2021 - Sept 2025*

Kyushu University International Student Section

- Featured in university PR material, including interviews and articles for program promotion.
- Delivered several (5+) outreach presentations for Kyushu University for 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 science events with 100+ participants.
- School Representative in science competitions, including La Chime 2020 (University of the Philippines Biochemistry Society), placing First Runner-Up.

## AWARDS

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- **Kyushu University Scholarship** – Scholarship awarded for exceptional academic performance
- **International Global Programs (IGP) Scholarship** – Awarded for academic excellence and contributions to international cooperation within Northern Arizona University's University's IGP Program.
- **Faculty of Agriculture Award (農学部賞)** – Awarded for outstanding research presentation within the Faculty of Agriculture.

## PUBLICATIONS

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Dong, T. Boncan, D. **Tan, C. A.** et al. (2025) E-cigarette vapor alters gut microbiota composition in zebrafish. *The Science of the Total Environment*, 1012, 181199. <https://doi.org/10.1016/j.scitotenv.2025.181199>

## LANGUAGES

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**English** – Native

**Hokkien** – Intermediate/Conversational

**Filipino** – Native

**Mandarin** – Basic

**Japanese** – Intermediate/Conversational