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EDUCATION

Ateneo de Manila University

BS Computer Science

Loyola Heights, Quezon City

2024 – Present

- **Director's Lister — First Honors**
- **Fr. Bienvenido F. Nebres, SJ** Science Academic Scholar

Philippine Science High School — Eastern Visayas Campus

Core Science (Advanced Physics) | Math Level 2 (Advanced)

Palo, Leyte

2018 – 2024

- Graduated **With High Honors**; ranked 2.5 of 88; G12 GWA **1.07/5 (97.68/100)**
- **Director's Lister for 20 consecutive quarters** (Grade 8 through Grade 12)
- PHINMA Academic Excellence Award; Excellence Awards in Mathematics, Computer Science, and Research
- Computer Science Elective (G11) & Engineering Elective (G12); **SAT 1480** (Math 780, English 700)

INTERNATIONAL HONORS & AWARDS

International Young Researchers Tournament *international research competition* Gold Award 2024

13th Regional Congress, SEAMEO Search for Young Scientists (SSYS) *SE-Asian research competition* Finalist 2024

Hong Kong International Computing Olympiad (HKICO), Final Round *international CS olympiad* Gold Medal 2023

International Mathematics Wizard Challenge (IMWiC) *SE-Asian math contest* Silver Medal 2023

Global Gifted Problem Solving Camp *int'l robotics camp, Gimje, S. Korea* Leadership Award 2023

International Kangaroo Mathematics Competition Bronze Award 2021

Hua Luogeng Golden Cup Mathematics Invitational *one of China's toughest contests* Bronze Award 2019

International Math Open for Young Achievers (IMOYA), Singapore Silver (Individual & Group) 2017

International Teenagers Mathematics Olympiad (ITMO), National Parallel Silver Award 2017

VANDA International Science Competition Bronze Award 2017

International Mathematics Wizard Challenge (IMWiC) *SE-Asian math contest* Bronze Medal 2016

Australian Mathematics Competition (AMC) Certificate of Distinction 2015

World Math Invitational, Taiwan Merit 2014

NATIONAL HONORS & AWARDS

Blue Hacks 2026 *24-hour hackathon, Ateneo de Manila University* 2nd Runner-Up 2026

HACKFEST 2026: AXIS *10-day hackathon, ADMU Google Developers Group* 2nd Runner-Up 2026

Hacker Cup 2025 *2-day hackathon, De La Salle University* 2nd Runner-Up 2025

Blue Hacks 2025 *24-hour hackathon, Ateneo de Manila University* Top 10 Finisher 2025

Ateneo College Entrance Test (ACET) *top 200 of 10,000+ applicants* Director's Lister 2024

7th IMake.WeMake: Create. Innovate. Collaborate *national makers competition, DOST-SEI* Finalist (Top 20) 2024

DOST Youth Excellence in Science (YES) Award *national STEM achievement award* Awardee 2023

2nd Ateneo Physics Olympiad: Entanglement (APhO) *national physics olympiad* Finalist 2023

Philippine Online Physics Olympiad (PhO2) *national physics olympiad* Silver Medal 2023

DOST-SEI 6th Indie-Siyensya (Youth Category) <i>national science short-film contest</i>	<i>3rd Place</i> 2023
25th SquEEEze: National EEE HS Competition & Convention <i>electronics & electrical engineering</i>	<i>1st Runner-Up</i> 2023
Laban ng mga Maharlika Science Camp <i>national group science camp</i>	<i>1st Place</i> 2021
Pakaritay <i>regional science quiz bee</i>	<i>1st Place</i> 2021
Metrobank-MTAP-DepEd Math Challenge <i>regional math competition</i>	<i>Top Scorer</i> 2018
DOST Youth Excellence in Science (YES) Award <i>national STEM achievement award</i>	<i>Awardee</i> 2017
DOST Youth Excellence in Science (YES) Award <i>national STEM achievement award</i>	<i>Awardee</i> 2016
National Parallel Challenge for Future Mathematicians	<i>Silver Medal</i> 2016

LEADERSHIP

ARSA Seniors' Send-Off 2026	2026
<i>Secretariat Head.</i> Annual dorm event sending off 100+ graduating seniors.	
ARSAFEST SIDLAK 2026	2026
<i>Secretariat Head.</i> Annual dorm event celebrating the diverse people and culture of the Ateneo dorms.	
ARSA Year-End Party 2025	2025
<i>Materials & Decorations Head.</i> Official dorm student event with 300+ attendees.	
Pisay Math Circle	2023 – 2024
<i>President, Internal Affairs.</i> Led the official PSHS-EVC math club and organized a region-wide math competition.	
Batch of 88–90 Students (G10, G12)	2021 – 2024
<i>President.</i> Led batch-wide activities, events, and fundraisers.	
Class of 30 Students (G7, G8, G11)	2018 – 2023
<i>President.</i> Led class activities and yearly community outreaches.	
Athletic Council	2021 – 2022
<i>President.</i> Organized the annual school SportsFest for 500+ students.	

EXPERIENCE

AKIVA Holdings Inc.	2025 – Present
<i>Freelance Software Developer & Team Lead</i> <i>Philippines</i>	
<ul style="list-style-type: none"> • Lead a development team building custom software that automates clients' legacy systems • Lead developer of Agila, a centralized web app digitizing company-wide requests, forms, and approval workflows 	
Ateneo Residents Student Association (ARSA)	2025 – Present
<i>Deputy for Administration & Lead Developer</i> <i>Ateneo de Manila University</i>	
<ul style="list-style-type: none"> • Lead the ARSA Digital Ecosystem: a self-hosted hub with a custom URL shortener, event ticketing, admin panels, and an e-commerce shop • Built an automated GCash OCR receipt-verification system; the shop has processed PHP 250,000+ in total revenue • Create masterfiles and cross-departmental systems for community events and projects 	
The Guidon	2025 – Present
<i>Digital Development Staffer</i> <i>Ateneo de Manila University</i>	
<ul style="list-style-type: none"> • Develop web-based interactives for the university's official student publication • Project lead for A Long Walk Back, a 3D interactive on the 1986 EDSA People Power Revolution 	
Computer Society of the Ateneo (CompSAte)	2024 – Present
<i>Developer & Learn2Dev Mentor</i> <i>Ateneo de Manila University</i>	
<ul style="list-style-type: none"> • Build web-based projects for clients and student communities • Mentor and module writer for Learn2Dev: taught and authored modules on modern full-stack web development 	
Ateneo CODE	2025 – Present
<i>Member — Consultants for Organization Development & Empowerment</i> <i>Ateneo de Manila University</i>	
<ul style="list-style-type: none"> • Provide organizational-development consulting for youth-led organizations to support youth empowerment 	

PROJECTS

ARSA Digital Ecosystem	2025 – Present
<i>Lead Developer.</i> Centralized association hub: custom URL shortener, event + ticketing, admin panels, and an e-commerce shop with automated GCash OCR receipt verification (PHP 250,000+ revenue).	
Harbor PH	2025 – Present
<i>Lead Developer.</i> Nationwide event platform centralizing discovery and ticketing for diverse gatherings.	
Agila	2025 – Present
<i>Lead Developer.</i> Digitizes and automates company-wide requests, forms, and approval workflows.	
KonsulTulong	2025 – Present
<i>Research Lead & Lead Developer.</i> Pre-consultation patient data collection and risk assessment.	
Sim.ula	2026
<i>Lead Developer — Blue Hacks 2026 (2nd Runner-Up).</i> Urban-policy AI simulation that assesses the impact of proposed Quezon City policies against past outcomes.	
Schrollar	2026
<i>Lead Developer — Hackfest 2026: Axis (2nd Runner-Up).</i> Explore a topic's research ecosystem as a social feed — papers as posts, citations as replies.	
Navio	2026
<i>Developer.</i> Real-time wearable GPS tracker with live tracking, one-press SOS, and route history.	
QR/FORGE	2026
<i>Developer.</i> Ad-free, in-browser QR-code generator and customizer with custom styles, colors, and logo embedding.	
Toyota Valenzuela Community	2026
<i>Developer.</i> Community platform with events, forums, chat, and photo sharing for local car owners.	
Blank Board	2026
<i>Developer.</i> Installable collaborative whiteboard app.	
ARSAFest Ticketing System	2026
<i>Developer.</i> Online QR-code event ticket generator and verifier.	
Memorize Baybayin	2026
<i>Lead Developer.</i> Anki-style flashcards to master the Baybayin script.	
Project Sinag	2025
<i>Lead Full-Stack Developer — BlueHacks 2025 (Top 10).</i> Citizen monitoring and reporting with geolocation-tagged images on a map.	
Klutch	2025
<i>Full-Stack & AI Developer — DLSU Hacker Cup 2025 (2nd Runner-Up).</i> Connects users with local blue-collar workers for gigs through a bidding and AI tagging system.	
ARSA FlowerFest Shop	2025
<i>Systems Manager & Developer.</i> Online shop for selling, managing, and fulfilling flower deliveries.	
PDFGetPNG	2025
<i>Developer.</i> Extracts PDF pages as PNG images entirely in the browser.	
DNA Barcode Generator	2024
<i>Lead Developer.</i> Fetches mtDNA from NCBI and renders it visually as a DNA barcode.	
Bio: Tech or Terror	2024
<i>Developer.</i> Educational site on biotechnology in biowarfare, featuring an interactive COVID-scientist simulator.	
ArTest of Fate Online Gallery	2022
<i>Lead Developer.</i> Online gallery for the school-wide SportsFest art competition.	
Automated Receipt Processor & Recorder	2022
<i>Volunteer Developer.</i> Uses OCR to process and record bank, GCash, and Maya receipts for the PSHS-EVC PTA.	

RESEARCH

READSmart	2026 – Present
<i>Co-author & Lead Developer.</i> AI speech-recognition app for reading assessment and analytics in a rural elementary school.	
Don't Leaf It to Chance	2022 – 2024
<i>Research Leader.</i> Toxicological analysis and DNA barcoding of traditional Filipino products.	
RAILS: Reservation & Inventory for Laboratory Systems	2022 – 2024
<i>Research Leader & Lead Developer.</i> Full-stack lab-management web app for school laboratory units and similarly scaled systems.	
Project PAGSACA	2022 – 2024
<i>Research Leader.</i> Vertical farming integrating Plant Microbial Fuel Cells, electroculture, and organic solar cells.	
TaB Propellers	2023 – 2024
<i>Research Leader.</i> Hybridizing toroidal and bionic propellers for increased efficiency and noise reduction.	
SPIn Battery: Spinning Portable Inertial Battery	2023
<i>Research Leader.</i> Conceptualization of a portable mechanical battery.	
The Good, the Bad, and the Medium	2022 – 2023
<i>Researcher.</i> Case study on student perceptions of teachers.	

ACTIVITIES & INVOLVEMENT

ARSAound	2026 – Present
<i>Bass Guitarist.</i> Performed with the dorm music group at gigs from concerts to events.	
ARSAFest Concert Band	2026
<i>Bass Guitarist.</i> Live concert band performance.	
32nd Int'l Conference on Computers in Education (ICCE)	2024
<i>Student Volunteer.</i> Helped facilitate the week-long ICCE 2024.	
ECHO	2023
<i>Senior Consultant & Mentor.</i> Official CS alternative-learning activity of PSHS-EVC.	
Project Teenspired	2019 – 2023
<i>Volunteer & Technical Assistant.</i> National advocacy against teenage pregnancy.	
Junior Chamber International (JCI) Tacloban Love	2022 – 2023
<i>Member.</i> Community-driven projects.	
Summer Math Tutorial	2022
<i>Math Tutor.</i> Lectured core concepts and prepared daily math activities.	
Nissan Palo, Leyte	2021
<i>Intern.</i> One-month summer job and internship.	
RITS High School Press Futurize	2021
<i>Participant.</i> International collaboration to create a culture-showcasing magazine.	
Ritsumeikan Global Summit 2020 (Japan)	2020
<i>Participant.</i> International summit for cultural exchange.	

CERTIFICATIONS

Machine Learning Specialization (3/3 courses) — DeepLearning.AI & Stanford Online	2024 – 2025
<ul style="list-style-type: none">Supervised ML: Regression & Classification; Advanced Learning Algorithms; Unsupervised Learning, Recommenders & RL	
Deep Learning Specialization (3/5 courses) — DeepLearning.AI	2025
<ul style="list-style-type: none">Neural Networks & Deep Learning; Improving Deep Neural Networks; Structuring ML Projects	

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, HTML, CSS

Frameworks: React, Next.js, Vue, Nuxt, SvelteKit, Node.js

Tools & Platforms: Linux, Git, Self-Hosting, REST APIs, OCR pipelines

Focus Areas: Full-Stack Web Development, Backend, Frontend, Machine Learning, AI, Technical Writing

LANGUAGES

English, Filipino, Waray-waray, Bisaya