

# Lorenz Dion O. Baldeo

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## Education

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### Philippine Science High School – SOCCSKSARGEN Region Campus

Relevant Coursework: Foundations of ICT, Computational Thinking, Client-Side Web Development, Object-Oriented Programming, Data Structures & Algorithms  
GWA: 1.00 / 1.00 (PSHS Grading System)

## Experience

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- **National Olympiad in Informatics (NOI.PH) – Junior National Training Team (2024–2025)**
  - Selected among top-performing participants nationwide for advanced algorithm and competitive programming training.
- **Student Immersion Program (SIP): Hydrometeorological Data Analysis and Visualization – PAGASA (2024)**
  - Completed on-the-job training at PAGASA, collaborating with peers to analyze and interpolate weather data using Kriging and ArcGIS, under the supervision of the Lead Engineer at PAGASA Gensan.
- **Research in Algorithmic Optimization – “Run-Length Priority Queue: A Heap Optimized for Repeated Elements” (2025)**
  - Project Leader and Lead Programmer in developing a priority queue structure optimized for repeated elements. Published preprint on Zenodo: <https://doi.org/10.5281/zenodo.17448324>
- **Head Organizer – ElevateCS Mentorship Program (2024-2025)**
  - Led a mentorship program for 20+ Grade 7–8 students with four facilitators, guiding them in problem-solving and inspiring participation in [NOI.PH](https://noi.ph).
- **PowerUP Connect 2025: Knowledge Exchange on Web3 and Game Development**
  - Attended workshops and talks on blockchain technology, decentralized systems, and modern game development frameworks.
- **Leetcode Competitive Programming**
  - Solved algorithmic problems in Python and C++, attaining a global rank of #372,102 (2025) through consistent practice.
- **PSHS - SRC Competitive Programming Community**
  - Active member collaborating with peers in weekly problem-solving discussions and contests.

## Honors and Achievements

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- **ABAKODA 2024 – Rookie of the Year [Top 13 Nationwide]**
  - Recognized for outstanding performance as a first-time competitor in ABAKODA, a national algorithmic programming contest designed to introduce students to competitive problem-solving.
- **Tool Assisted Mathematics 2024 (TAMA) – Top 34 Nationwide**
  - Placed 34th nationwide in TAMA, a Project-Euler–style contest combining mathematics, logic, and programming challenges.

- **Hong Kong International Computational Olympiad Heat Round (HKICO) 2024 – Gold Medal**
  - Ranked in the top 10% globally in HKICO, an international computational thinking competition covering programming logic, algorithms, and problem decomposition.
- **California Informatics Competition 2024 (CALICO Fall '24)– Silver Block**
  - Ranked in the top 25% (84th) out of over 800+ global teams in CALICO, a rigorous online algorithmic programming contest for high school and college students.
- **International Computer Science Competition (ICSC) 2025 – Pre-Finals Qualifier with Special Honors**
  - Qualified for the Pre-Finals round and earned Special Honors for high-quality coding submissions in a global competition emphasizing logical thinking and advanced CS problem-solving.
- **Youth Excellence in Science (YES) Awardee 2025**
  - Received the Department of Science and Technology–SEI recognition for Filipino students who achieved distinction in international science and mathematics competitions.

## Skills

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**Programming Languages:** Python, C++, HTML, CSS, JavaScript

**Technologies & Tools:** Visual Studio Code, Git, Matplotlib, NumPy, ArcGIS

## Hobbies

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Building Android apps and web projects, chess, caring for cats, and gaming (Minecraft, Counter-Strike, Roblox).