



DENISE LIANA P. HO

BSCS-ST STUDENT

OBJECTIVE

Passionate and detail-oriented software development student with a strong interest in data science and statistics, dedicated to leveraging analytical skills and programming expertise to build innovative solutions.

CONTACT

Phone: +639167646283

Email: denise_liana_ho@dlsu.edu.ph

Address: B18 L8 Valencia St., Cerritos Trails 2, Molino III, Bacoor, Cavite

TECHNICAL SKILLS

- Programming Languages:** Python, Java, C/C++, Go
- Web Development:** HTML, CSS, Node.js
- Database Application Development:** MySQL, MongoDB
- Data Analysis:** Excel (PHStat), Python (Pandas, Numpy)
- Academic Writing & Formatting Tools:** Microsoft Word, Overleaf, MyBib, LaTeX
- Version Control:** GitHub
- Collaboration Tools:** Jira, Notion

EDUCATIONAL BACKGROUND

De La Salle University | 2023 - Present

Bachelor of Science in Computer Science major in Software Technology; *3.122 CGPA as of AY2024 - 2025, Term 3*

Mapúa University SHS | 2021 - 2023

STEM Strand; *Academic Excellence Award w/ High Honors (2021 - 2023)*

ACADEMIC RESEARCH PROJECTS

Computational Power of Queue Automata | April 2025

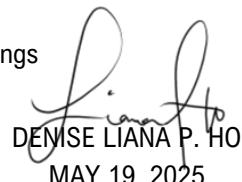
- Investigated the computational power of Queue Automata compared to other machines in the Chomsky hierarchy
- Constructed mathematical simulations between machines to demonstrate the Turing-equivalence of Queue Automata
- Evaluated an existing application of queue automata in DNA computing within the field of bioinformatics

Significance of Anxiety Levels and Gaming Playstyles in the Reliance on Gaming as a Coping Mechanism | August 2024

- Investigated the relationship between anxiety levels (using GAD-7, SPIN-5, & SPIN-10 scores) and gaming playstyles
- Performed pre-processing and statistical analyses on a public dataset to identify trends and correlations
- Contributed to writing the methodology, interpretations, and results of the research paper
- Oversaw the research study, ensured the efficiency and correctness of group outputs

Representasyon ng Kulturang Pilipino sa Pamamagitan ng Filipino Dubbing sa mga Pelikula | April 2024

- Analyzed the impact of Filipino culture on the dubbing of five foreign movies/shows dubbed in Filipino
- Arranged linguistic observations by category of their content and cultural relevance
- Contributed to writing the analysis, results, and conclusion of the research paper
- Led the production of the creative video, which demonstrated major themes of the research findings


DENISE LIANA P. HO
MAY 19, 2025

Tunes for the Thoughts: Impact of Lo-fi Music toward the Academic Performance of SHS Students | May 2023

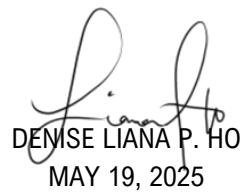
- Evaluated the effect of listening to lo-fi on attention span, reading comprehension, and memorization
- Surveyed 30 students who actively listen to lo-fi music
- Contributed to writing the background study, methodology, results, and analysis of the research paper

The Relationship of Facebook Posts and the Political Views of SHS STEM Students | May 2022

- Conducted qualitative research examining how Facebook posts influence political awareness and views among students
 - Performed thematic analysis to identify political engagement patterns, susceptibility to misinformation, and overall reliance on social media
 - Oversaw the research study, coordinated fair task distribution among the group
-

OTHER ACADEMIC PROJECTS

- **LabMate / Laboratory Room Reservation Web App (CCAPDEV - Term 2, AY2024 - 2025):** developed a web application that allows students to sign in or sign up, view lab room reservations, book seats for specific time slots, and manage their reservation history through a profile dashboard.
- **Diagnostics Center and Laboratory Clinic Database App (CCINFOM - Term 1, AY2024 - 2025):** developed a database application for a diagnostic clinic to manage patient records, process lab test orders, schedule appointments, assign staff and equipment, and generate detailed reports.
- **Hotel Reservation System (CCPROG3 - Term 3, AY2023 - 2024):** developed a Java application that allowed users to create hotels with a specified number of rooms, make room reservations, and manage or edit existing bookings.



Denise Liana P. Ho
MAY 19, 2025