Chester Don Valencerina

vale0192@algonquinlive.com | (753) 886-0338 | Ottawa, ON | LinkedIn

Education

COMPUTER PROGRAMMING DIPLOMA | 2024 – 2026 | ALGONQUIN COLLEGE| OTTAWA, ONTARIO
- Applied database architecture, web application development, OOP design patterns, and basic Bash scripting in a Linux environment within a virtual machine.

COMPUTER SCIENCE | 2021 – 2023 | UNIVERSITY OF BAGUIO| BAGUIO CITY, PHILIPPINES
- Analyzed different algorithms efficiency through Big O, Big Ω, and Big Θ notations to evaluate time and space complexity for optimal performance.

Program-related Skills

Programming Languages:
- Java
- JavaScript
- HTML/CSS
- PHP
- SQL
- Bash

Tools & Software:
- Microsoft Office (Word, PowerPoint, Excel)

IT/Systems:
- Ubuntu, Linux
- CCNA Networking Basics

Teamwork & Project Management:
- Collaborated effectively within teams and communicated clearly to deliver results.
- Innovated multiple solutions to complex problems.
- Conducted thorough testing to ensure all project components functioned correctly.
- Guided team projects by delegating tasks and ensuring timely completion.

Academic Projects

WEB APPLICATION | BAKERY WEBSITE (PHP, HTML, CSS) | BAGUIO CITY, PHILIPPINES | MAR 2023
- Developed encrypted authentication system using PHP to safeguard client/admin data.
- Implemented data validation and secure file I/O operations to prevent unauthorized access.
- Lead and organize a group to build the application successfully.

WEB APPLICATION | BOOK MANAGEMENT SYSTEM (PHP, JS, HTML/CSS) | OTTAWA, ON | MAR 2025
- Designed and implemented a role-based web application with **client and admin interfaces**, utilizing PHP for backend logic and MySQL for database management, ensuring secure user authentication.
- Developed a responsive frontend with dynamic form validation using JavaScript and modern CSS frameworks, enabling efficient book cataloging, search, and user management.
- Integrated admin-side analytics to track user activity and book inventory, showcasing skills in full-stack development and modular code architecture.

SYSTEM ADMINISTRATION | USER MANAGEMENT TOOL (BASH, LINUX CLI) | OTTAWA, ON | MAR 2025
- Developed Bash scripts to automate user account creation, deletion, group management, and expiry date configuration using useradd, userdel, and usermod commands.
- Integrated error handling to prevent duplicate users/groups, invalid operations, and system permission conflicts.
- Designed error handling to enforce secure user permissions and prevent privilege escalation.

Work Experience

FREELANCE | WEBSITE DESIGN | BAGUIO CITY, PHILIPPINES | FEB 2024
- Designed and developed responsive websites tailored to client requirements, utilizing HTML, CSS, JavaScript, and PHP.
- Collaborated with clients to gather project specifications and deliver customized web design.

Training & Certifications
- CCNA: Introduction to Networks certification (2023)