

YEN-YI HSU

613-879-2783 | hsu00026@algonquinlive.com

<https://www.linkedin.com/in/h-yen-yi-hsu00026/>

<https://github.com/yenyih24>

PROGRAM-RELATED SKILLS

- **Database:** Oracle SQL developer, Oracle SQL Developer Data Modeler, MySQL Workbench, PostgreSQL, Microsoft Access, Microsoft SQL Server, SQL Server Management Studio, MongoDB, ODBC
- **Web Programming:** HTML, CSS, PHP, JavaScript
- **Programming Languages:** Java, Python
- **Java Tools:** Eclipse, OOP with Design patterns
- **Operating Systems:** VMWare Workstation, Windows 11, Ubuntu
- **Extended Knowledge:** Git, Javadoc, Microsoft Office (Word, Excel, Outlook)

EDUCATION

Computer Programming Diploma

May 2024 – April 2026

[Algonquin College](#), Ottawa, ON

- Dean's Honours List - GPA 3.9

ACADEMIC PROJECTS

Ski Equipment Rental Management

Sep 2024 – Dec 2024

Database Group Project

- Led a team to design and implement a database system to track customer information and manage ski equipment rentals efficiently, ensuring data accuracy and accessibility.
- Utilized MS-Access for the front-end interface and SQL Server for reliable data storage and backup, along with SQL Server Management Studio for advanced data modeling.
- Created comprehensive documentation, including installation/backup instructions, application description, and usage guidelines for streamlined user support.
- Ensured smooth integration of backup processes with SQL Server, enhancing data security and system reliability.

Travel Blog project

Oct 2024 – Nov 2024

Web Programming

- Led a team to design and develop a travel blog with backend database functionality, enabling users to add, display, update, and delete posts.
- Coordinated tasks among team members and managed version control using Git and GitHub to ensure smooth collaboration and efficient code integration.
- Utilized HTML, CSS, JavaScript, PHP, and MySQL with XAMPP to ensure efficient development and seamless operation.
- Implemented client-side validation for user inputs, dynamic page updates based on interactions, and a responsive design for mobile-friendly layouts using external CSS.

Personal Portfolio

Sep 2024 – Oct 2024

Web Programming

- Built a personal portfolio demonstrating skill with professional formatting, responsive layout, and interactive content.
- Utilized HTML and CSS to create a clean, professional, and presentable website.
- Developed four distinct pages: a homepage, resume, portfolio, and contact page to showcase skills and work effectively.
- Ensured consistent design and user-friendly navigation across all sections for a smooth user experience.

Baggage checking software

Jul 2024 - Aug 2024

Computer Programming

- Designed a program with four classes to determine baggage fees for an airline.
- Developed a BaggageLauncher class to handle user interaction and validate baggage.
- Created a Baggage class to store baggage dimensions and weight, including default values and a summary method.
- Implemented a BaggageChecker class with methods to assess weight limits, surcharges, and dimension checks.
- Utilized an "InputData class" utility class for validated input handling, ensuring efficient and error-free user interactions.

CERTIFICATES&TRAINING

- | | |
|---|----------|
| • MongoDB for SQL Experts
MongoDB | Nov 2024 |
| • Learning Linux Command Line
Linkedin Learning | Oct 2024 |
| • Software Testing Foundations: Testing throughout the SDLC
Linkedin Learning | Sep 2024 |
| • Access Basics for Excel Users
Linkedin Learning | Sep 2024 |
| • Adaptability Workshop
ABC Life Literacy Canada | Sep 2024 |

VOLUNTEER AND CO-CURRICULAR ACTIVITIES

Volunteer for Clean Your Campus

Oct 2024 - Oct 2024

Clean YOUR Campus Volunteer - Algonquin College, Ottawa ON

- Volunteers worked in teams to pick up litter and trash in key areas around campus.

Way-Finders Volunteer

Sep 2024 - Sep 2024

AC Day 1 Volunteer - Algonquin College, Ottawa ON

- Navigated campus for new students and answered questions.
- Helped the volunteer team accomplish AC Day 1 activities.

Roller skating rink monitor Volunteer

Sep 2024 - Sep 2024

AC Wolves Fest Fall 2024 Volunteer - Algonquin College, Ottawa ON

- Ensured every participant followed the rules and stayed safe.
- Instructed first-time skaters and provided extra assistance.
- Maintained a clean area and put away event supplies at the end of the shift.

REFERENCES

References Available Upon Request