YEN-YI HSU

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PROGRAM-RELATED SKILLS

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

EDUCATION

Computer Programming Diploma   May 2024 – April 2026
Algonquin College, Ottawa, ON
- Dean's Honours List - GPA 3.77

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

- **Python Quick Start**   Jan 2025
  Linkedin Learning
- **MongoDB for SQL Experts**   Nov 2024
  MongoDB
- **Learning Linux Command Line**   Oct 2024
  Linkedin Learning
- **Software Testing Foundations: Testing throughout the SDLC**   Sep 2024
  Linkedin Learning
- **Access Basics for Excel Users**   Sep 2024
  Linkedin Learning
- **Adaptability Workshop**   Sep 2024
  ABC Life Literacy Canada

VOLUNTEER AND CO-CURRICULAR ACTIVITIES

Volunteer (Scouter) - Scouts Canada   Feb 2025-present

Pre-Event Set-Up Volunteer
Applied Research Student Project Showcase (Fall 2024) Volunteer - Algonquin College, Ottawa ON   Dec 2024
- Assisted in preparing event spaces, including setting up tables, signage, and decorations.
- Assembled nametags and student packages, ensuring smooth event execution.

Volunteer for Clean Your Campus   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
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
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