Misheel Azjargalbayar

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Computer Programming student with hands-on experience building full-stack applications, developing responsive front-end features, and designing relational databases through academic projects and co-op work.

EDUCATION

Computer Programming and Analysis   **January 2024 - Present**

Niagara College, *Advanced Diploma*   Welland, ON

SKILLS

Database Management
- Designed and implemented relational databases in SQLite for academic projects, applying algorithmic optimization techniques to ensure efficient data storage and retrieval.
- Developed SQL queries, stored procedures, and triggers to extract and manipulate data efficiently.
- Gained hands-on experience with data warehouse concepts, including designing simple star schemas to support reporting and analytics.

OOP & Development
- Built full-stack ASP.NET MVC applications in C#, implementing role-based authentication and secure data management for a Community Sponsored Project.
- Applied object-oriented programming (OOP) principles to design scalable, maintainable solutions in academic and co-op projects.
- Developed Python-based solutions and utilized Python libraries such as pandas, Matplotlib.
- Gained hands-on experience OOP in Java through developing an ATM interface with deposit, withdrawal, and account management logic.

Problem-Solving Skills
- Resolved client-reported frontend issues by analyzing code logic and integrating fixes without disrupting ongoing work.
- Collaborated with team members to troubleshoot data synchronization issues, ensuring reliable database connectivity.
- Evaluated conflicting design requirements and implemented balanced solutions to meet both functionality and usability goals.
- Anticipated potential issues in project workflows and implemented preventive measures

Communication Skills
- Presented project progress and final solutions to community clients using a client deck, clearly explaining technical decisions and benefits.
- Participated in team meetings, presenting updates and proposing solutions to technical challenges.
- Coordinated cross-functional communication between team members to ensure project milestones were met.
- Drafted concise documentation and instructions for team members to implement features efficiently

Organizational Skills
- Prepared and maintained client-facing documentation, including project plans and feature guides.
- Organized team meetings and recorded action items to track progress toward project goals.
- Developed checklists and workflows to track project progress and ensure consistency.
- Maintained version-controlled repositories and structured folders for easy access and future reference

PROJECTS

E-Commerce Application

Dreamon LLC

- Implemented responsive front-end features using React, TypeScript, and JavaScript, integrating them with backend APIs and databases to improve user experience and functionality.
- Designed modular React components and reusable UI elements to streamline development and simplify future feature updates.
- Collaborated with supervisor to develop full-stack solutions, troubleshoot issues, and deploy features under tight deadlines.

Sales Order Tracking System (Community Sponsored Project)

Haver & Boecker Niagara

- Designed and implemented a SQL database to efficiently manage sales orders, engineering workflows, and production milestones using SQLite.
- Developed an integrated C# MVC ASP.NET application to unify Gantt scheduling and operations tracking for improved project management.
- Tested application functionalities, ensuring seamless integration with various API tasks and routes for optimal performance and user experience.

Gym Management System

- Created a C# MVC ASP.NET application with role-based authentication, ensuring secure user access and data protection.
- Designed a scalable relational database in SQLite, optimizing data storage, retrieval speed, and overall system performance.
- Integrated automated email notifications and marketing tools, enhancing communication and customer engagement.

WORK EXPERIENCE

Software Developer (Co-op)   **June 2025 – September 2025**

Dreamon LLC

VOLUNTEER EXPERIENCE

Frontend Developer   **March 2025**

CICan Hackathon

Computer Lab Assistant for Open House Event   **October 2024**

Niagara College – Welland, ON

CERTIFICATE

National Skills for Success Student Hackathon   **March 2025**

CICan   Welland, ON