Piercen Di Berardo

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EDUCATION

University of Western Ontario   **London, ON**

BSc: Specialization in Computer Science, Minor in Software Engineering   Candidate 2026

- **Relevant Coursework:** Software Engineering, Intro to Machine Learning, Data Structures and Algorithms, Object-Oriented Design and Analysis, Artificial Intelligence I

TECHNICAL SKILLS

Programming Languages:
- Proficient in Python, GoLang, Java, SQL, JavaScript (Next.js, React), C, C++, C#, CSS, ASP.NET, HTML, REGEX, Custom React & .NET frameworks

Tools & Cloud Infrastructure:
- Docker, Linux CLI, Azure, RunPod, GitHub, Azure DevOps, CI/CD

Software:
- JIRA, Remedy, Microsoft Office, GSuite

RELEVANT WORK EXPERIENCE

Student IT Support Analyst   **Calgary, AB**

The City of Calgary   May 2025 – Present

- Developed a public-facing app for street sweeping and snowplow notifications (1.6M+ users)
- Streamlined internal database tasks from days to minutes
- Upgraded legacy applications to modern frameworks, increasing efficiency by 200%+
- Delivered full-stack solutions using React/C#.NET, improving performance and maintainability

Artificial Intelligence & IT Developer   **Hamilton, ON**

256 Solutions   July 2024 – April 2025

- Conducted independent AI research across 15+ projects, deploying 10+ custom LLM chatbot applications
- Automated data migration between ticketing systems using REGEX; monitored 10+ cybersecurity systems supporting 2,000+ devices.
- Fine-tuned 10+ AI models and built a visual UI for custom dataset creation, improving workflow efficiency
- Created Docker images deployed on cloud services to enable local resource utilization

PROJECTS

Custom AI Chatbot & RAG System

256 Solutions

- Developed a pipeline that converts PDFs into custom datasets for fine-tuning LLMs on RunPod
- Fine-Tuned 30+ AI models using these datasets and deployed them to custom Chatbot and retrieval-augmented generation (RAG) interfaces
- Built a user-friendly interface for dataset creation and chatbot deployment, streamlining internal workflows and reducing setup time for new AI applications
- Integrated Docker and cloud services to enable scalable model deployment and local resource utilization

Spaced-Repetition Math Learning App

Personal Project

- Developed a web app with 2000+ questions and custom LLM-generated quizzes
- Implemented an AI spaced-repetition adaptive algorithm to boost retention by 10%
- Designed full-stack React & Go architecture and REST APIs

GENERAL WORK EXPERIENCE

Server, Cashier, Food Prep, Line Cook   **London, ON**

University of Western Ontario Hospitality Services   January 2023 – Present

- Supported 3,000+ students and fulfilled 1,000+ orders while training in multiple operational roles

Personal Shopper   **Hamilton, ON**

Fortinos Grocery Store   December 2020 – March 2022

- Delivered personalized service and trained new employees to maintain high customer satisfaction

LEADERSHIP EXPERIENCE

Math Bridge & AWM Western Chapter   **London, ON**

Logistics Coordinator   September 2024 – Present

- Evaluated feasibility of event planning and finances for 10+ events
- Managed setup and operations for events hosting 50+ people, while overseeing a team of 15+ people