

Hoang Vu

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EDUCATION

York University <i>Honours Bachelor of Science in Computer Science</i>	Sep 2024 – Apr 2026 <i>Toronto, ON</i>
Sheridan College <i>Advanced Diploma in Software Development and Network Engineering</i>	Sep 2020 – Dec 2023 <i>Oakville, ON</i>

EXPERIENCE

Software Developer <i>SIRT Centre</i>	May 2023 – Aug 2023 <i>Toronto, ON</i>
<ul style="list-style-type: none">Built multiplayer menu system in C++ with character selection, profile creation/persistence, and session initialization flowIdentified and resolved C++ bugs, enhancing system stability and reducing crash rates by 20%	
Software Developer <i>Cloud DX</i>	May 2022 – Dec 2022 <i>Oakville, ON</i>
<ul style="list-style-type: none">Developed voice commands for HoloLens2, showcased at ANA Avatar XPRIZE 2022 with 50+ successful demonstrationsOptimized Arduino-to-HoloLens communication by refactoring C++/C# sensor data processing pipeline, reducing latency by 30% for real-time vital sign displayDesigned and implemented user-friendly AR interactive features, improving usability and engagement for immersive experiences	
Software Developer <i>Medtech Canada</i>	Jan 2022 – Apr 2022 <i>Oakville, ON</i>
<ul style="list-style-type: none">Migrated Unity VR clinic simulation from deprecated XR Rig to XR Origin architecture resulting in 40% faster scene load timesRapidly resolved a critical rendering bug within 48 hours, restoring accurate motion tracking and eliminating all hand-tracking glitches	

PROJECTS

Monsieur Bonbon <i>C#, ASP.Net, .Net Core 3.0, MySQL, Bootstrap, jQuery</i>
<ul style="list-style-type: none">Developed a full-stack e-commerce platform using RESTful API, supporting 500+ SKUs across 12 product categoriesImplemented role-based authentication, reducing admin workload by 30% and improving securityOptimized database queries by 25%, enabling faster product searches and order processing
VURooms <i>React.js, Node.js, Express.js, MongoDB, Stripe API</i>
<ul style="list-style-type: none">Developed a full-stack hotel booking platform with React frontend and Express/Node backend, handling dynamic searches and bookings end-to-endIntegrated Stripe API for secure payments and verified 100+ simulated transactions during testingAdded analytics tracking for bookings, providing insights into booking trends and increasing user engagement by 30%

TECHNICAL SKILLS

Languages: C#, C++, Java, Python, JavaScript
Stacks: Spring, .Net, MERN
Database: MySQL, MongoDB
Tools: Git, VS Code, Visual Studio, Eclipse