

Hoang Vu

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EDUCATION

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

EXPERIENCE

Software Developer <i>SIRT Centre</i>	May 2023 – Aug 2023 Toronto, ON
<ul style="list-style-type: none">Implemented meta human selection menu and UI flow for multiplayer sessions, improving user engagement by 25%Identified and resolved C++ bugs, enhancing stability and reducing crash rates for 20+ active usersTools: Unreal Engine 5, C++, Bitbucket	
AR/MR Software Developer <i>CloudDX</i>	May 2022 – Dec 2022 Oakville, ON
<ul style="list-style-type: none">Developed voice commands and interactive features for HoloLens2, showcased at ANA Avatar XPRIZE 2022 with over 50 successful demonstrationsConducted testing, debugging, and optimizing C++/C# code and Arduino–HoloLens communication, reducing processing latency by 30%Tools: HoloLens 2, Unity, Arduino, C++, C#, Bitbucket	
VR Software Developer <i>Medtech Canada, Unity Health Toronto</i>	Jan 2022 – Apr 2022 Oakville, ON
<ul style="list-style-type: none">Replaced deprecated components and integrated new interaction features, resulting in 40% faster scene load timesRapidly resolved a critical rendering bug within 2 days, restoring accurate motion tracking and eliminating all hand-tracking glitches for 10+ testersTools: Meta Quest 2, Unity, C#, Github	

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 100+ product listings and large order datasetsReduced manual admin tasks by 30% with role-based authentication and authorization	
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 backendIntegrated Stripe API for secure payments and verified 50 concurrent bookings using Postman/Newman simulations	
Online Contacts <i>Java, Spring Framework, Thymeleaf, Tomcat, H2/SQL</i>	
<ul style="list-style-type: none">Developed a full-stack web application using RESTful API for managing contactsImplemented Spring Security with encrypted passwords, enforcing role-based access for 100+ simultaneous users	

TECHNICAL SKILLS

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