

# Hoang Vu

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## EDUCATION

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### York University

*Honours Bachelor of Science in Computer Science*

Sep 2024 – Apr 2026

*Toronto, ON*

### Sheridan College

*Advanced Diploma in Software Development and Network Engineering*

Sep 2020 – Dec 2023

*Oakville, ON*

## EXPERIENCE

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### Software Developer

*SIRT Centre*

May 2023 – Aug 2023

*Toronto, ON*

- 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 users
- Tools: **Unreal Engine 5**, **C++**, **Bitbucket**

### AR/MR Software Developer

*CloudDX*

May 2022 – Dec 2022

*Oakville, ON*

- Developed voice commands and interactive features for HoloLens2, showcased at ANA Avatar XPRIIZE 2022 with over 50 successful demonstrations
- Conducted 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

*Medtech Canada, Unity Health Toronto*

Jan 2022 – Apr 2022

*Oakville, ON*

- Replaced deprecated components and integrated new interaction features, resulting in 40% faster scene load times
- Rapidly resolved a critical rendering bug within 2 days, restoring accurate motion tracking and eliminating all hand-tracking glitches for 10+ testers
- Tools: **Meta Quest 2**, **Unity**, **C#**, **Github**

## PROJECTS

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### Monsieur Bonbon | C#, ASP.Net, .Net Core 3.0, MySQL,

- Developed a full-stack e-commerce platform for candy and sweets using **RESTful API**
- Implemented full CRUD operations for products and orders with role-based authentication and authorization
- Enhanced UI/UX using Bootstrap and jQuery for responsive design and interactivity

### VURooms | React.js, Node.js, Express.js, MongoDB, Stripe API

- Developed a full-stack hotel booking platform with **React** frontend and **Express/Node** backend
- Integrated **Stripe API** for secure payments and implemented role-based authentication and authorization
- Enabled full CRUD operations for hotel listings, bookings, and user management

## TECHNICAL SKILLS

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**Languages:** C#, C++, Java, Python, JavaScript

**Frameworks:** Spring, ASP.Net, MERN

**Database:** MySQL, MongoDB

**Developer Tools:** Git, VS Code, Visual Studio, Eclipse