

# Hoang Vu

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## EDUCATION

### 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

### 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

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

- Developed a full-stack e-commerce platform using **RESTful API**, supporting 100+ product listings and large order datasets
- Reduced manual admin tasks by 30% with role-based authentication and authorization

### 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 verified 50 concurrent bookings using Postman/Newman simulations

### Online Contacts | Java, Spring Framework, Thymeleaf, Tomcat, H2/SQL

- Developed a full-stack web application using **RESTful API** for managing contacts
- Implemented **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