






# HIEU VU

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## EDUCATION

### SHERIDAN COLLEGE

**GPA: 3.87**  
*Oakville, ON   Sep 2020 - Present*  
*Software Development and*  
*Network Engineering Advanced*  
*Diploma (Expected graduation*  
*Dec 2023)*

- Two years of academic experience in the field of computer science
- Experienced with OOP, game and desktop app development (**Java, Unity, C#, Python, JavaFX**)
- Proficient in full stack development (**MERN, Spring, .NET, HTML, Js, CSS, PHP**)
- Strong encoding, debugging, organizing and time managing skills to ensure successful outcomes

## TECHNICAL SKILLS

**TECHNOLOGIES & TOOLS:** **Java, JavaFX, JavaScript, HTML, Mongo, CSS, PHP, SQL, C++, SQL, JSON, C#, ReactJS, Angular, Python, Git, Unity, Kotlin, Swift**

**FRAMEWORKS:** **Django, MERN, ASP.NET, Spring**

**OPERATING SYSTEM:** Window

## PROJECT

### FUTURE SHOCK 2099

This project is an online multiplayer shooting game. Players can host, find, join rooms to play with other players. Only the host can start the game. Player who kills the most will be 1st place in the scoring board. The game ends when a player kills 10. It is developed with **C#** and **Unity**

### DEAD RISING

This project is a third-person-shooter zombie game. It features AI zombies that chase and attack player in their vision radius. Player must achieve all objectives to complete the game. It is built with **C#** and **Unity**

### SHOPFUN POS

This full stack project is a market POS system. User can register, log in, log out, add items to customers cart, check out, print bill, add/delete/edit/get items in inventory. All transactions and customers are recorded. It is developed with **MERN** stack

### WING HERO

This project is mobile game application. User can tap the screen to play. By tapping the hero will jump. If it hits an enemy, the game is over. The score increased each time the Wing Hero passes a wave of enemies. It is built with **Java** and **LibGDX**

### CONTACT MANAGEMENT

This is a web application that displays a list of contacts and it allows authorized users (admin, member) to log in, log out and insert, edit, delete contacts. It uses It is built with **Java** and **Spring** framework

### TO-DO LIST

This full-stack project is a to-do list application. Users can view, add, edit, delete, cross, uncross items in the to do list. It is built with **Python** and **Django**

### BLACK JACK

This game application has full **interactive user interface**, alerts for all components of the game. The game is based on Asian play style. It is for 1 player vs computer. It is built with **Java, JavaFX** .

### STUDENT ADMIN PORTAL

This project consist of 2 applications. One is an REST web API built with **ASP.NET**. The other is a UI front end application built with **Angular**. User can add student, edit student's info, delete student, upload and change profile picture.

### BRICK BREAKER

This project is a game application. Player can move the skate to bounce the ball. Player wins if all bricks are hit. Player loses if the ball is dropped to the ground. This game is developed with **C++** and **SDL** library.

## EXPERIENCE

- Mixed Reality/Augmented Reality Application Developer**    Jan 2022 - Present  
*Sheridan CMI CloudDX, Oakville, ON*  
Health care MR/AR application using HoloLens 2
- Implement new workflows and features in the main project, and prepare it for demonstration at ANA Avatar XPRIZE event 2022
- Research emerging technologies, frameworks and techniques relevant to the research project
- Conduct software development, software design, modeling and requirements analysis
- Test, debug and troubleshoot software applications developed for the research project
- Technology & tools: mostly **Unity, C#, HoloLens 2** and some **C++**