

# Shawn Gao

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# Experience

# **Simon Fraser University**

Sept. 2023 - Present

### **Instructional Assistant**

Assisted in the instruction of DMED 540: Multi-Platform Media

# Time Capsule Photography Co.

Mar. 2020 - Aug. 2022

#### **Technical Director**

Develop Unity app using the Vuforia engine to integrate AR with the dynamic album.

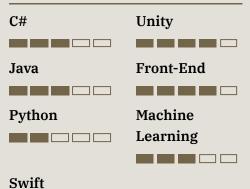
## Volunteering

#### Alliance Française Vancouver

Sept. 2022 - Oct. 2022

#### **VR Exhibition Volunteer**

# Skills



Computer Engineering graduate with a passion for interactive technologies. Skilled in programming languages including Java, C# and Python. Experience in Unity development, particularly in VR and MR.

#### **Profiles**

in <u>Linkedin | Shawn Gao</u>

#### Education

## Centre for Digital Media

Sept. 2022 - Dec. 2024

Master of Digital Media

Master

UBC | SFU | ECUAD | BCIT

The Master of Digital Media program is accredited and awarded by four leading Canadian post-secondary institutions: UBC, SFU, ECUAD, and BCIT.

### Hefei University of Technology

Sept. 2018 - July 2022

Computer Science and Engineering

Bachelor

Specialize in machine learning, computer vision, and human-computer interaction systems.

# University of Oxford / Radboud University

July 2021 - Sept. 2021

**Human-Computer Interaction** 

Summer School

# **Projects**

# HCI System Based on Hand Gesture Recognition

Feb. 2022 - July 2022

Graduation project

Deploy a visual gesture recognition system based on YOLO-v5. Develop a haptic feedback glove for the Meta Quest series through the OpenGlove project, supporting Half-Life: Alyx.

### VR Automotive Training Simulator

Jan. 2024 - Present

A virtual reality (VR) simulation to enhance the training of automotive students in safely repairing and replacing electric vehicle (EV) batteries. Client from Vancouver Community College(VCC)

#### MR Music Engagement App

Sept. 2023 - Dec. 2023

Mixed Reality(MR) headset applications prototype using the passthrough feature from Meta Quest 3.

#### Cubus

Sept. 2022 - Dec. 2022

A VR puzzle game developed on Unity Oculus Integration, multiple levels included.

### **Enchantia - VisionOS**

Feb 2024 - Present

Floral Meditation App

#### Global Game Jam

2020/ 2021/ 2023