

# Xuedan Zou

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## Education

**M.S. Dartmouth College** 2021 -----2023 (expected)

**Computer Science Major**, School of Computer Science

Thesis based research master program with a concentration in digital arts.

**B.E. Hunan University** 2016 -----2021

**GPA: 3.58/4.0**

**Industrial Design Major**, School of Design

**Computer Science Second Major**, College of Computer Science and Electronic Engineering

## Skills

Proficient in C++, C, Python, Kotlin, Processing, Arduino, P5.js, openFrameworks and OpenCV

Skilled in Android development, User Research and Product Design

## Experience

**Worm---a game** Spring 2019

- Developed an interactive game for web based on **P5.js** with the idea of creative coding.
  - Tested the game on an art exhibition of the university based on design research methods and then improved the user experience.
- (This project is officially shared by p5.js group on their Instagram page)

**PIXEL** Spring 2020

- Developed an interactive light system based on simple gesture recognition based on **Kinect**, coded in **C++** with openFrameworks.
  - Cooperated with the circuit engineers and structure engineers to design the LED board screen.
  - Designed a set of simple gestures to interact with the screen and the topic to printed on the screen.
- (This project was exhibited on Asian New Generation Design Exhibition(2020) online)

**Software Engineer Internship at Black Sesame Technologies Inc.** Spring 2021

- Cooperated with SDK/Plantform team to implement vision related programming using **C++**. Built the development environment and analysed the VIM3's toolkit.
- Deployed the deep learning model on VIM3 and wrote the development guidance document that helps over 200 employees save over 2 weeks' of extra learning time.

## Awards

**Chinese Physics Olympic** (First Prize in Sichuan Province) Jan 2016

**25% Tuition Fee Scholarship** (Dartmouth College) Feb 2021