

# 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, Software Engineering, User Research and Product Design

## Experience

**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/Platform 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.

**Myruns Activity Tracker App** Fall 2021

- Implemented an Android app to help people keep health using Kotlin based on MVVM architecture,

- Used SQLite database to manage local data and allowed Google Map service to track local location and record exercise route, distance, speed etc.

- Applied accelerometer sensing to collect activity data, and trained WEKA classifier to determine activity type

## Awards

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

Jan 2016

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

Feb 2021