# Ziyi Lu

An enthusiast of Computer Graphics, Web Dev & Games

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🐙 LuniumLuk

## INTERESTS

### Computer Graphics

Rendering  Mesh Processing

3D Reconstruction

### Game Developing

Game Engine  Unity

## LANGUAGES

**Chinese**
Native

**English**
TOEFL 110

**Japanese**
JLPT N2

## AWARDS

**Mobile Application Innovation Contest** (December 11, 2021)

China Collegiate Computer Contest

We won the second prize of the Mobile Application Innovation Contest 2021 with our AR music app: MuseFall.

🔗 http://www.appcontest.net/

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Undergraduate of Dept. of Computer Science Zhejiang University. I like Graphics, Web developing and Games.

## EDUCATION

**Zhejiang University** (August 31, 2018 - Present)

Bachelor of engineering, Digital media technology          3.96/4.0 10%

Thesis: High-quality hand model reconstruction based on a consumer-level depth camera

🔗 https://www.zju.edu.cn

**Zhejiang University** Unenrolled yet

Master of Engineering, Software engineering

GAPS Lab, State Key Laboratory of CAD&CG, Zhejiang University.

🔗 http://kunzhou.net/zjugaps/

## WORK EXPERIENCE

**Booming Tech** (July 11, 2021 - September 12, 2021)

Game engine intern (non-graphics)

- Research and investigated IK implementation and API design on major game engines
- Design and implemented biped IK functionality in Chaos Engine

🔗 https://www.boomingtech.com/

**FaceUnity technology** (November 24, 2021 - Present)

Algorithm engineer intern

- Internship in FaceUnity technology digital double project team as algorithm engineer
- Constructed pipeline in reconstruct high-quality hand model with consumer-level depth camera

🔗 https://www.faceunity.com/

## PROJECTS

**X-Field pytorch**

An implementation of Siggraph 2020: X-Field with pytorch

This is a course project for Advancement in Computer Graphics 2021.

🔗 https://github.com/LuniumLuk/xfield-pytorch

Computer Graphics  Pytorch

**Badminton careervisualization**

A D3js based badminton star career-life visualization web project

A course project of Cross-Media Visualization 2020 of CS Dept., Zhejiang University winning a in-course award.

🔗 https://github.com/LuniumLuk/badminton-career-visualization

Visualization  Web Dev  D3.js

**Austin+ Wechat miniprogram**

A commercial Wechat miniprogram

I developed the whole front-end functionality and interfaces of this wechat miniprogram. The miniprogram is currently online and operating.

Miniprogram  Front-end