

Yiheng Zhang

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Education

School of Electronic Information and Electrical Engineering, Shanghai Jiao Tong University

Sept. 2015 - Present

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Shanghai, P. R. China

- Overall GPA: **90.87/100**, Major GPA: **93.90/100**, Rank: **11/137**
- TOEFL: Total **113** (Reading 30, Listening 29, Speaking 24, Writing 30)

Zhiyuan College, Shanghai Jiao Tong University

Sept. 2015 - Present

ZHIYUAN HONOR ENGINEERING PROGRAM (TOP 4%)

Shanghai, P. R. China

- Honor Class GPA: **90.46/100**

School of Engineering, University of Melbourne

June. 2017 - July. 2017

EXCHANGE UNDERGRADUATE IN ELECTRICAL AND ELECTRONIC ENGINEERING(WINTER SEMESTER)

Melbourne, Victoria, Australia

- Signals and Systems(ELEN30012) Grade: **H1**

Research Experience

Lab of Digital Media and Digital Reconstruction, Shanghai Jiao Tong University

Feb. 2017 - PRESENT

ADVISOR: LIZHUANG MA | DISTINGUISHED PROFESSOR AT DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Shanghai, P. R. China

- Internship researcher interests in global illumination, texture alignment and more CG related subjects
- Currently focus on adapting reinforcement learning idea to light tracing

Selected Course Projects

Path Tracing Renderer

Sept. 2017

COMPUTER GRAPHICS (CS337) | COURSE GRADE: 98/100 (TOP 1%)

Shanghai, P. R. China

- A simple path tracing renderer by casting light from camera and simulating light reflection, refraction and phong.

Interactive Object Selection Based on U-Net

Nov. 2017 - Jan. 2018

COMPUTER GRAPHICS (CS337) | COURSE GRADE: 98/100 (TOP 1%)

Shanghai, P. R. China

- Group project with Yuheng Zhi, following paper *Deep Interactive Object Selection (CVPR2017)*.
- An open source U-Net based object selector that allows user to draw arbitrary closed curves (on my github).

Honors & Awards

INTERNATIONAL

2017 **Meritorious Winner**, MCM/ICM Mathematical Contest in Modeling

P. R. China

DOMESTIC

2017 **Zhiyuan Honor Scholarship (top 4%)**, Shanghai Jiao Tong University

P. R. China

2017 **Wish Scholarship (top 3%)**, Wish Ltd.

P. R. China

2016 **Zhiyuan Honor Scholarship (top 4%)**, Shanghai Jiao Tong University

P. R. China

2016 **Tung OOCL Scholarship Scholarship (top 6%)**, The Tung Foundation

P. R. China

2016 **Outstanding Student**, Shanghai Jiao Tong University

P. R. China

Leadership and Activities

Student Union of SEIEE

May. 2016 - Sept. 2017

VICE DIRECTOR OF DEPARTMENT OF PUBLICITY

Shanghai, P. R. China

- Responsible for publicity works of events held by SEIEE (School of Electronic Information and Electrical Engineering).
- Hold monthly workshop to give presentation of new designing trends

SJTU Band Union

PRESIDENT

- Head director of several campus rock shows.
- Assistant director of SJTU Oasis music festival
- Contributed to a audio technology guidance website (on my github).

Sept. 2017 - Present

Shanghai, P. R. China

Skills

Programming	C/C++, Python, Matlab, LaTeX
Applications	Microsoft Office, Microsoft Visio, Adobe Photoshop, Adobe Illustrator, Adobe Premiere
Extracurricular	Guitarist/Composer on a metal band, Calligraphy Amateur grade 8 (max 10, China Calligrapher Association), 9 year painting learning experience