

Xiaodong Cun

University of Macau, Macau, China

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Education

University of Macau

M.S. IN COMPUTER SCIENCE

Macau China

Sep. 2015 - Exp. June 2018

- GPA:3.4/4
- Image Processing and Pattern Recognition Laboratory
- Supervisor: Chi-Man Pun, Hao Gao

Xidian University

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Xi'an China

Sep. 2010 - Aug. 2015

- Class monitor of 100 students class in full four years.
- Organizing all the activity of students in four years.

Research work

Image Registration

SUBMIT TO SIGNAL PROCESSING: IMAGE COMMUNICATION

Macau

May. 2016 - Sep. 2016

- Worked with Chi-Man Pun (University of Macau) and Hao Gao (Nanjing University of Posts and Telecommunications)
- By analysing the traditional local descriptor, we propose a new local descriptor for robust image registration.

Deep learning techniques for Light Filed Reconstruction

SUBMIT TO AAAI 2018

Macau

Mar. 2017 - Sep. 2017

- Worked with Feng Xu (Tsinghua University), Chi-Man Pun (University of Macau), Hao Gao(Nanjing University of Posts and Telecommunications.)
- We proposed a deep learning based technique for Light Filed reconstruction from single image, which is the first paper to address this problem.

Intern Experience

Alibaba Corp.

SOFTWARE ENGINEER INTERN

Hangzhou, China

Jul. 2014 - Sep. 2014

- Participating in the development of new PC version of Taobao Moive website.
- Maintaining the mobile version of Taobao Movie.
- Best creative prize in Wechuang cup of JuHuaSuan department.

Honors & Awards

2013 **Excellence Award**, University's College Students' Innovative Entrepreneurship Competition

Xi'an China

2012 **Third Prize Scholarship**, Annually prize for class representative

Xi'an China

2014 **Best Innovation Award**, We Chuang Programming Contest during intern

Hangzhou China

Teaching Activates

2017 Aut. **CISB112 Introduce to Computer Science**, Teaching Assistant for C++ programming

Macau China

2017 Spr. **CISB121 Digital System**, Teaching Assistant

Macau China

2016 Spr. **CISB335 Computer Graphics**, Teaching Assistant

Macau China

Self Projects

'JinGe' – Sharing website of original Chinese clothes

Xi'an, China

CORE MEMBER & PROGRAMMER

Sep. 2013 - June 2014

- we build a instgram-like website for sharing the original Chinese clothes.
- This project is for sharing the culture of traditional Chinese clothes. This project aims to create a better UX/UI experience of users in original clothes area.
- This project is a CURD based web framework. We build this project by PHP+MYSQL+APACHE.

Racpider

PROGRAMMER

Xi'an, China

Mar. 2015 - May 2015

- The final year project of bachelor study.
- This is a HTTP-based web spider framework based on python.
- Gain much more experience in organizing the code and how to build complex software.

YAIA's Poster

DESIGNER

Macau, China

Sep. 2015 - June 2016

- An online collection of my posters can be found online: <https://github.com/vinthony/vinthony.github.io>
- Basic knowledge about color matching.
- Basic usage of tools for UI design: PS / AI / Sketch

Deep Learning for Depth Estimation/Deep Learning for Novel View Synthesis

PROGRAMMER

Macau, China

Mar. 2017 - Sep. 2017

- During Deep Learning research, I implement many relative works in depth estimation and novel view synthesis, I'll open-source these codes soon:
- Torch implementation of Learning based method for Light Field Reconstruction (SIGGRAPH ASIA 2016)
- Torch implementation of Appearance Flow (ECCV 2016)
- Torch implementation of Deep3D (ECCV 2016)
- Torch implementation of FCRN (3DV 2016)

Programming Skill

Programming Language: Python, C++, Matlab, JavaScript

Deep Learning Toolkits: Torch, PyTorch, TensorFlow

Design Software: PhotoShop, Sketch

Other Toolkits: ITK, OpenGL, WebGL

Programming: Image Processing, Computer Vision, Computer Graphics, Web Programming, Mobile Programming