

ChangkunOu

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“Science without borders.”

Summary

I'm a B.E. student in Computer Science at Southwest University for Nationalities, and I'm also a exchange student in Media Computer Science at Ludwig-Maximilians-Universität München major in human computer interaction. I have a deep interest in intelligent system combines human computer interaction and large-scale machine learning. I enjoy programming in Objective-C/Swift for quickly product prototyping and development. Besides, I love mathematics and learned by myself in Mathematical Analysis and Abstract Algebra when I was in middle school.

Education

LMU(Ludwig-Maximilians-Universität München)

Munich, Germany

EXCHANGE STUDENT IN MEDIA COMPUTER SCIENCE

Oct. 2015 - Exp. Feb. 2016

- Major in Human-Computer Science.

SWUN(Southwest University for Nationalities)

Chengdu, China

B.E. IN COMPUTER SCIENCE AND TECHNOLOGY

Sept. 2012 - Exp. Jun. 2016

- GPA: 3.74/4.00 (1/154)

Skills

Programming Objective-C, C/C++, Python, Swift, PHP, Javascript, LaTeX

Web Django with Python, Express with Node.JS, HTML5, LESS

Design Photoshop, Premiere, After Effects, Audition

Languages Chinese, English

Experience

Smart Graphics Conference 2015

China

STUDENT VOLUNTEER

Aug. 2015

Human Computer Interaction I 2015 Summer Semester

China

LMU & SWUN, COURSE TUTOR

Jul. 2015

Implementation of Interaction Perception Centre Based on Cloud Computing and Machine Learning

C/C++/Python/Objective-C/Swift

SWUN, THE NATIONAL COLLEGE STUDENT-INNOVATIVE PROJECT, PROJECT LEADER

Apr. 2014 - Apr. 2015

- Responsible for project planning and system architecture, and the most development work;
- Developed a Multiplatform framework which is large scale distributed machine learning communication toolkit(HorcruxLib), a traditional machine learning algorithm framework(MLiteKit), and a neural network toolkit(SmartNet);
- The product joined the Sichuan Computer Production Match and won the Second Award.

Smart Graphics 2015 Conference Website Development

HTML/CSS/JS

SMART GRAPHICS CONFERENCE, COOPERATION PROJECTS, MAJOR CONTRIBUTOR

Nov. 2014

- Responsible for whole development, visual design and maintenance.
- Website: <http://www.smartgraphics.org/sg15/>

Research on Spetical Interaction Based on Monocular Vision

C++/MFC/OpenCV

SWUN, THE COLLEGE STUDENT-INNOVATIVE PROJECT, PROJECT LEADER

Jun. 2013 - Dec. 2013

- Responsible for planning and system architecture, algorithm design. Mainly responsible for the filter module and recognise module.
- Published a paper named Space interactions based on monocular vision and simple gestures on Journal of Southwest University for Nationalities (Natural Science Edition).

Honors & Awards

INTERNATIONAL

2014.04 **Meritorious Winner**, Mathematical Contest in Modeling(MCM) 2014 U.S.A

2013.04 **Successful Participant**, Mathematical Contest in Modeling(MCM) 2013 U.S.A

DOMESTIC

2015.06 **Excellent Project**, 2014 Annual SWUN College Student-Innovative Activity China

2015.06 **Concluding Certificate**, The National College Student-Innovative Projects China

2015.05 **2rd Award**, Sichuan Computer Production Match China

2014.09 **Major Awards**, National Scholarship China

2013.11 **Pacesetter**, SWUN Outstanding Student China

2013.11 **Major Awards**, SWUN Scholarship China

Publications

- Yaxi Chen, Changkun Ou, Zhaoyang Guo. Space interactions based on monocular vision and simple gestures[J]. Journal of Southwest University for Nationalities (Natural Science Edition), 2014, 40(16):871-876

Extracurricular Activity

Guigu Lab

China

TEAM LEADER

Sept. 2014 - Jun. 2015

- Leading the team to apply a nation level project and three provincial level project;
- Website: www.guigulab.org

Mathematical Modeling Association

China

ACADEMIC DEPARTMENT, VICE DIRECTOR

Oct. 2012 - Jun. 2014

- Responsible for introducing mathematical modeling knowledge to new members.

Computer Application and Development Association

China

TECHNIQUE DEPARTMENT, DEVELOPMENT GROUP, CORE MEMBER

Oct. 2012 - Dec. 2013

- Responsible for introlducing programming languages and skills to new members.

SWUN Organization federation

China

PROPAGANDA DEPARTMENT, EXECUTIVE MEMBER

Oct. 2012 - Jun. 2013

- Responsible for whole electronic paper design;
- Desigend the ticket for Club Night 2012;
- Manufacture the advertising video for SWUN Oranization federation's change term of office in 2012.