

Room 212A, Block 8, ZiJing Dormitory, Tsinghua University Beijing, China, 100084

□ (+86) 13021254922 | ■ luxinran1995@hotmail.com

Education _

B.ENG in Automation

Tsinghua University

Beijing, China

• GPA: Overall: 3.70/4.00 Ranking: 23/150, Major: 3.82/4.00 Ranking: 12/150

• Core courses: C++ Program Design and Training 94(8/125), Fundamentals of Computer Information Management 93(4/50), Digital Image Processing 90(10/120), Data structures, Computer Principles and Applications 90(25/122), Computer Networks and Applications 90(8/96), Numerical Analysis and Algorithms 90(10/133), Linear Algebra, Calculus, Complex Analysis, Probability Theory

Research Experience _____

Institute of HCI and Media Integration of Department of Computer Science | Research Assistant, Adviser: Prof. Songhai Zhang

Beijing, China

Aug. 2013 - Jul. 2017

Project: Neural Color Transfer

- Aug. 2016 Present
- Improved color transfer algorithm based on neural style transfer and colorization
 Proposed a new method to solve the problem of unchanged luminance during the transfer

Project: Image and Video Matting in Real-Time

Mar. 2016 - Jun. 2016

- Constructed a system to generate Trimap automatically, combine Sampling and Affinity Matting with Local and Nonlocal Smooth
- Improved the algorithm by using the expanded regions to accelerate computing speed

Image Algorithm Research Intern, Turing Robot | Research assistant, Adviser: Dr. Yuhao Lu

Beijing, China

Project: Pose Imitation of Robot in ROS System

Jul. 2016 - Sep. 2016

- Developed a pose estimation system with binocular camera in ROS platform and make robot to perform simulations of human movement in real-time
- Proposed an algorithm to locate people, match ICP, extract skeleton and compute similarity
- Implemented a 3D body model composed of 10 main body parts to improve results

33th Challenge Cup

Beijing, China

Project: An Augmented Reality Technology based on Hand Recognition

Feb. 2015 - Mai. 2015

- Independently constructed an AR system with projector, camera and computer. Projector cast augmented reality information manipulated by computer, camera collected input image, and computer completed image preprocessing, hand recognition and feedback generation
- Implemented state-of-the-art algorithms to capture video, adjust image, recognize hand and optimize accuracy

Technical Strengths _____

- Languages: English (fluent), Mandarin (native), German (fluent, Goethe-Certificate C1)
- Programming language: Assembly Language, C/C++, Python, C#, MATLAB, Lua, GIT

Honors & Awards _____

2016	20/150 , Undergraduate Academic Excellence Award in Automation	Tsinghua, China
2015	10/150 , been selected into ATOM project of Department of Automation	Tsinghua, China
2015	3/400 , EMC Special Award in the 33th Challenge Cup	Tsinghua, China
2015	5/400 , HuaWei Special Award in the 33th Challenge Cup	Tsinghua, China
2015	46/400 . Third price in the 33th Challenge Cup	Tsinahua. China

Extracurricular Activity _____

2015	Director , Student Press Corps of THU	Tsinghua, China
2015	Director , Student Association for Science and Technology of Department of Automation	Tsinghua, China
2014	Member. Public Affairs Sector of Student Union of THU	Tsinahua. China