

# Jiajun Lu

**Homepage:** <http://www.jiajunlu.com>

**Areas of Expertise:** Engineering Management,  
Artificial Intelligence, Augmented Reality

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Jiajun Lu is one of the global leaders in artificial intelligence and augmented reality. He has more than ten years of working experiences in both fields, has several media heavily reported projects, and managed several teams and startups to deliver great products and achieve great success. His connection, experience, knowledge, talent and diligence contribute to these successes.

## Work Experience

### Apple Inc

- AI & ML China Business Founding Member 2018-now  
As a founding member, I explore various Apple AI business opportunities in Chinese market, such as AI manufacture and AI infrastructures. Currently, I spend most efforts on managing the building of Apple's AutoML infrastructure.

### Stanford University

- Researcher of Computer Science 2017-2018  
Worked in Computer Graphics and Human Interaction Lab on video search and synthesize.

### Google Project Soli

- Advanced Technology And Program 2014-2017  
Worked on AI algorithms for gesture recognition, and turned Soli into general depth sensor.

### Microsoft Research Redmond

- AI Research Sensing Technology 2016  
Worked together with the world most famous researchers and professors on AI based sensing technologies. We focused on depth sensing and delivered high frame rate and low latency depth sensor.

### Adobe Research

- Computer Graphics Lab 2015  
Reconstruct 3D human face model from a single image, widely used in Adobe products and their other research projects.

### XHey Technology Beijing

- Co-founder and CTO 2014-2015  
Cofounded the series A social network company. Built the engineering team of the company from ground, and directed the development of the first product Double Date. Helped everyone in the engineering team to work to their best, and ensured the fast growth of the company.

### Microsoft Research Asia

- Data, Knowledge and Intelligence Group 2012-2013  
Analyzed the Microsoft online service log information using data mining methods and inference graph to find the root cause of system delay.

## Education

- *EMBA* of Business School, **Harvard University** 2019 - now  
Learning management and business from top executives all over the world via the executive education program PLD (*EMBA* alternative).
- *PhD* of Computer Science, **University of Illinois at Urbana Champaign** 2013 - 2017  
Worked with PhD advisor Chair Prof. David Forsyth (board member of Baidu and Allen Institute, advisory board member of Alibaba Group, ACM/IEEE fellow) on various computer vision topics, including GAN, adversarial examples, image and video editing, depth sensing and so on.
- *CSST Scholars* of Computer Science, **UCLA** 2012

Joined the CoBase Laboratory and worked with Distinguished Professor Wesley W. Chu.

- *Bachelor* of Computer Science, **Zhejiang University**  
Rank No. 1 out of 200 students.

## Publications

- Adversarial Examples that Fool Detectors. **Jiajun Lu**, Hussein Sibai, Evan Fabry. Arxiv 2017.
- Standard detectors aren't (currently) fooled by physical adversarial stop signs. **Jiajun Lu**, Hussein Sibai, Evan Fabry, David Forsyth. Arxiv 2017.
- SafetyNet: Detecting and Rejecting Adversarial Examples Robustly. **Jiajun Lu**, Theerasit Issaranon, David Forsyth. ICCV 2017.
- CDVAE: Co-embedding Deep Variational Auto Encoder for Conditional Variational Generation. **Jiajun Lu**, Aditya Deshpande, David Forsyth. Arxiv 2017.
- NO Need to Worry about Adversarial Examples in Object Detection in Autonomous Vehicles. **Jiajun Lu\***, Hussein Sibai\*, Evan Fabry, David Forsyth. CVPR 2017, Oral Workshop.
- Learning Diverse Image Colorization. Aditya Deshpande, **Jiajun Lu**, Mao-Chuang Yeh, David Forsyth. CVPR 2017.
- Hybrid HFR Depth: Fusing Depth and Color Cameras for High Speed, Low Latency Depth Camera Interactions. **Jiajun Lu**, Hrvoje Benko, Andy Wilson. SIGCHI 2017, **Best Paper Honorable Mention**.
- A Visual Representation for Editing Face Images. **Jiajun Lu**, Kalyan Sunkavalli, Nathan Carr, Sunil Hadap, David Forsyth. Arxiv, To TPAMI.
- Sparse Depth Super Resolution. **Jiajun Lu**, David Forsyth. CVPR 2015.
- Splitter: Mining Fine-Grained Sequential Patterns in Semantic Trajectories. Chao Zhang, Jiawei Han, Lidan Shou, **Jiajun Lu**, Thomas La Porta. Very Large Data Bases 2014 (VLDB).
- Semi-supervised Mesh Segmentation and Labeling. **Jiajun Lv**, Xinlei Chen, Jin Huang, Hujun Bao. **Computer Graphics Forum**, 31 (7), 2012. Pacific Graphics 2012.

## Honors and Awards

### Scholarships & Honors:

- **Qualcomm Innovation Fellowship** finalists, Qualcomm Inc.
- **Saburo Muroga Endowed Fellowship**, UIUC
- **Chu Kechen Scholarship** (12/20000), Highest Honor in Zhejiang University, Included in History
- **Cross-disciplinary Scholars in Science and Technology** (Only 2 Computer Science Students Selected from 10 Best Universities in China), UCLA
- **National Scholarship** in China (Top 1.5%)
- **He Zhijun Scholarship** (1/370+, Highest Honor in CS of Zhejiang University)

### Awards & Prizes:

- Meritorious Winner, America Mathematical Contest in Modeling
- Silver Medal, Asia Regional Jamborees, iGEM (International Genetic Competition)
- 1st Prize, Zhejiang Province Higher Math Contest
- 1st Prize, Zhejiang Province Innovation Physics Contest

## Peer Reviewer

CVPR, ICCV, ECCV, AAAI, TPAMI, BMVC, UIST, SIGCHI, ICRA, CGF, TIT