

# Chi Zhang

PH.D. CANDIDATE, COMPUTER SCIENCE, UNIVERSITY OF CALIFORNIA - LOS ANGELES

Boelter Hall 9434  
Department of Computer Science  
University of California - Los Angeles  
Los Angeles, CA, 90095, U.S.  
[chizhang@cs.ucla.edu](mailto:chizhang@cs.ucla.edu) | [wellyzhang@gmail.com](mailto:wellyzhang@gmail.com)  
Homepage : [wellyzhang.github.io](https://wellyzhang.github.io)  
GitHub : [github.com/WellyZhang](https://github.com/WellyZhang)  
+1 (310) 254-4965

---

## EDUCATION

**University of California - Los Angeles**, Los Angeles, U.S.  
*Doctor of Philosophy*, Computer Science *March 19 - March 23 (expected)*  
Advanced to Candidacy  
Advisor: Prof. Song-Chun Zhu  
**GPA: 4.00/4.00** (Overall)

**University of California - Los Angeles**, Los Angeles, U.S.  
*Master of Science*, Computer Science *Sept. 17 - March 19*  
Advisor: Prof. Song-Chun Zhu  
**GPA: 4.00/4.00** (Overall)

**Zhejiang University**, Hangzhou, China  
*Bachelor of Engineering*, Computer Science *Sept. 13 - June 17*  
**GPA: 3.93/4.00** (Overall) **Rank: 1/17**

---

## RESEARCH INTERESTS

Visual Reasoning, Computer Vision, Reinforcement Learning

## CONFERENCES

Wenhe Zhang, **Chi Zhang**, Yixin Zhu, Song-Chun Zhu, Machine Number Sense: A Dataset of Visual Arithmetic Problems for Abstract and Relational Reasoning, in *Proceedings of AAAI Conference on Artificial Intelligence (AAAI)*, 2020

**Chi Zhang**<sup>\*</sup>, Baoxiong Jia<sup>\*</sup>, Feng Gao, Yixin Zhu, Hongjing Lu, Song-Chun Zhu, Learning Perceptual Inference by Contrasting, in *Proceedings of Advances in Neural Information Processing Systems (NeurIPS)*, 2019

Xu Xie<sup>\*</sup>, Changyang Li<sup>\*</sup>, **Chi Zhang**, Yixin Zhu, Song-Chun Zhu, Learning Virtual Grasp with Failed Demonstrations via Bayesian Inverse Reinforcement Learning, in *Proceedings of International Conference on Intelligent Robots and Systems (IROS)*, 2019

**Chi Zhang**<sup>\*</sup>, Feng Gao<sup>\*</sup>, Baoxiong Jia, Yixin Zhu, Song-Chun Zhu, RAVEN: A Dataset for Relational and Analogical Visual Reasoning, in *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2019

**Chi Zhang**, Yixin Zhu, Song-Chun Zhu, MetaStyle: Three-Way Trade-Off Among Speed, Flexibility, and Quality in Neural Style Transfer, in *Proceedings of AAAI Conference on Artificial Intelligence (AAAI)*, 2019

Hangxin Liu, **Chi Zhang**, Yixin Zhu, Chenfanfu Jiang, Song-Chun Zhu, Mirroring without Overimitation: Learning Functionally Equivalent Manipulation Actions, in *Proceedings of AAAI Conference on Artificial Intelligence (AAAI)*, 2019

Siyi Li, Tianbo Liu, **Chi Zhang**, Dit-Yan Yeung, Shaojie Shen, Learning Unmanned Aerial Vehicle Control for Autonomous Target Following, in *Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI)*, 2018.

JOURNALS	<p>Yixin Zhu, Tao Gao, Lifeng Fan, Siyuan Huang, Mark Edmonds, Hangxin Liu, Feng Gao, <b>Chi Zhang</b>, Siyuan Qi, Ying Nian Wu, Joshua B. Tenenbaum, Song-Chun Zhu, Dark, Beyond Deep: A Paradigm Shift to Cognitive AI with Humanlike Common Sense, <i>Engineering</i>, Volume 6, Issue 3, Pages 310-345</p> <p>Zheqian Chen, <b>Chi Zhang</b>, Zhou Zhao, Deng Cai, Question Retrieval for Community-based Question Answering via Heterogeneous Social Influential Network, <i>Neurocomputing</i>, Volume 285, Pages 117-124</p>
PATENTS	Xiangdong Li, Shihong Lv, Yikun Wang, Xiaowo Sun, <b>Chi Zhang</b> , A Method of Exact 3D Modeling Based on Natural Gestures via Data Gloves. Publication number: CN104778746 A.
SERVICE	I review for CVPR 2019, ICCV 2019, AAAI 2020, CVPR 2020, ECCV 2020, NeurIPS 2020
PROFESSIONAL EXPERIENCE	<p><b>Machine Learning Engineer</b>  <i>Didi Research Institute</i>  <i>Advisor: Zenan Meng</i> <span style="float: right;"><i>April 17 - June 17</i></span></p> <ul style="list-style-type: none"> <li>- Improved SLAM algorithms for high-fidelity mapping for autonomous vehicles</li> </ul>
HONORS & SCHOLARSHIPS	<p><b>Travel Award</b>, NeurIPS, 2019  <b>First-class Academic Excellence Scholarship</b>, Zhejiang University, 2013 - 2016  <b>First-class Research and Innovation Scholarship</b>, Zhejiang University, 2015  <b>Chinese Talent Scholarship</b>, Asahi Kasei, 2016  <b>Outstanding University Student Scholarship</b>, Baosteel Group, 2016</p>
AWARDS & PRIZES	<p>Meritorious Winner of <b>Mathematical Contest in Modeling</b>, 2015  <b>Five Star Volunteer</b>, Zhejiang University, 2016</p>
SELECTED PROJECTS	<p><b>MXNet</b>  <i>Hong Kong University of Science and Technology</i>  <i>Advisor: Xingjian Shi</i> <span style="float: right;"><i>Sept. 16 - Sept. 17</i></span></p> <ul style="list-style-type: none"> <li>- Flexible and efficient machine learning library for heterogeneous distributed systems</li> <li>- Regular contributor</li> </ul> <p><b>Real-Time Automatic Number Plate Detection</b>  <i>Zhejiang University</i>  <i>Advisor: Prof. Deng Cai</i> <span style="float: right;"><i>Feb. 16 - June 16</i></span></p> <ul style="list-style-type: none"> <li>- Trained a CNN backbone with YOLOs detection layer for fast and accurate number plate detection and regression</li> <li>- Incorporated into an antonomous vehicle system</li> </ul>