

# Qinbo Li

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## EDUCATION

### Texas A&M University — Computer Science

PhD GPA: 4.00 / 4.00

Aug. 2017 - Present

Master of Science GPA: 3.75 / 4.00

Aug. 2013 - Aug. 2016

### Sun Yat-Sen University — Software Engineering

Bachelor GPA: 3.77 / 5.00

Sep. 2009 - Jun. 2013

## WORK EXPERIENCE

### Meta

Research Scientist

Feb. 2022 - Present

### Wyze Labs

Research Scientist (Intern)

Jan. 2021 - May. 2021

- Learning Efficient Device-Specific Models under Edge-Cloud Collaboration Framework.
- Rule Recommender System using Graph Neural Network.

### UWinTech (A DevOps Startup Company)

Machine Learning Engineer (Intern)

Feb. 2017 - Jul. 2017

- Developed anomaly detection and alerting module which can monitor servers and alert anomaly data in real time
- Built anomaly detection service from 0 to 1. Using LSTM, Keras, Tensorflow, Tornado, Apache Storm, InfluxDB

## PUBLICATIONS (Selected)

1. **Qinbo Li** and Nima Kalantari, "Synthesizing Light Field From a Single Image with Variable MPI and Two Network Fusion", **SIGGRAPH Asia**, 2020
2. **Qinbo Li**, et al., "Video Face Recognition with Audio-Visual Aggregation Network", **International Conference on Neural Information Processing**, 2021 (accepted for **oral presentation**)
3. **Qinbo Li** and Yoonsuck Choe, "Construction and Use of Tools through Hierarchical Deep Reinforcement Learning", Human-like Behavior and Cognition Workshop in **IROS**, 2021
4. Hye-Chung Kum, Eric D. Ragan, Gurudev Ilangoan, Mahin Ramezani, **Qinbo Li**, and Cason Schmit, "Enhancing Privacy through an Interactive On-demand Incremental Information Disclosure Interface: Applying Privacy-by-Design to Record Linkage", Symposium on Usable Privacy and Security (**SOUPS**), 2019
5. **Qinbo Li** and Sheng-Jen ("Tony") Hsieh, "An Intelligent Tutoring System for Computer Numerical Control Programming", International Journal of Engineering Education (**IJEE**), 2019.
6. Han Wang, **Qinbo Li**, Jaewook Yoo, and Yoonsuck Choe, "Dynamical analysis of recurrent neural circuits in articulated limb controllers for tool use", International Joint Conference on Neural Networks (**IJCNN**), 2016
7. **Qinbo Li**, Jaewook Yoo, and Yoonsuck Choe, "Emergence of tool use in an articulated limb controlled by evolved neural circuits", 2015 International Joint Conference on Neural Networks (**IJCNN**), 2015
8. Yoonsuck Choe, Jaewook Yoo, and **Qinbo Li**. "Tool construction and use challenge: Tooling test rebooted", In **AAAI Workshop**, 2 pages, 2015.

## SKILLS & OTHERS

**Programming Languages:** Python, C/C++, MATLAB, Java, PHP, Javascript

**Machine Learning:** Tensor Flow, Pytorch, Pandas, sklearn

**Web Development:** HTML, CSS, JQuery, Flask, Node.js, CodeIgniter, Angular, PrimeNG, Bootstrap

**Databases:** MySQL, MongoDB, Redis, InfluxDB

**Others:** Git, Git Flow, SourceTree, Apache Storm, Redis Queue

**Interests:** Computer Vision, Deep Learning, Reinforcement Learning

## AWARDS

TAMU Spring 2020 Programming Contest, 1st in Graduate Students, 1st in Individual Teams

Best poster award, "Evolving Neural Networks to Control Tool Use", Computer Sciences and Information Technologies Symposium, UKC 2015

Excellence award of China Software Cup (National), 2012

Second class scholarship at Sun Yat-Sen University, 2011 and 2012