

# QINGYANG TAN

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📍 University of Chinese Academy of Sciences, 19A Yuquan Rd., Shijingshan Dist., Beijing, 100049

## 🔍 RESEARCH INTERESTS

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Computer Graphics, Computer Vision, Machine Learning

## 🎓 EDUCATION

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**University of Chinese Academy of Sciences (UCAS), Beijing, China** Sept. 2014 – June 2018

*B.Eng.* in Computer Science and Technology

GPA: 3.9/4.0 Rank: 1/61

**Massachusetts Institute of Technology (MIT), MA, U.S.** Feb. 2017 – May 2017

*Special Student* in EECS

GPA: 5.0/5.0

## 📁 EXPERIENCE

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**Recognition of Isolated and Continuous Sign Language**

**Institute of Computing Technology (ICT), Chinese Academy of Sciences (CAS) Beijing, China**

Sept. 2017 – June 2018

*Bachelor Thesis* Advisors: Prof. Xilin Chen, Prof. Xiujuan Chai

**Neural Network for 3D Mesh Data**

**ICT, CAS Beijing, China**

May 2016 – Sept. 2017

*Research Assistant* Advisors: Prof. Shihong Xia, Dr. Yu-Kun Lai, Prof. Lin Gao

**Machine Learning Application in Startup Success**

**MIT Sloan School of Management MA, U.S.**

Feb. 2017 – May 2017

*UROP Project* Advisor: Prof. Christian Catalini

**Control System Implementation for Testing Biomedical Material**

**MIT MA, U.S.**

Feb. 2017 – May 2017

*UROP Project* Advisor: Prof. Elazer Edelman

**Ultra-sensitive Controllable Antibiotics Scavenger**

**Institute of Biophysics (IBP), CAS Beijing, China**

Apr. 2016 – Oct. 2016

*iGem Competition* Advisor: Prof. Jiangyun Wang

## 📄 PUBLICATIONS

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**Variational Autoencoders for Deforming 3D Mesh Models**

**Qingyang Tan**, Lin Gao, Yu-Kun Lai, and Shihong Xia

IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2018

**Mesh-based Autoencoders for Localized Deformation Component Analysis**

**Qingyang Tan**, Lin Gao, Yu-Kun Lai, Jie Yang, and Shihong Xia

AAAI Conference on Artificial Intelligence (AAAI) (Spotlight), 2018

## ⚙️ SKILLS

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- Hands on experience of Machine Learning and Neural Network libraries including TensorFlow, PyTorch, scikit-learn, Theano, Caffe
- Fluent in C, Matlab, Python
- Knowledge of SQL, Verilog, HTML

## ♡ HONORS AND AWARDS

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*UCAS First-Class Academy Fellowship*

Oct. 2015 / Oct. 2016 / Oct. 2017

*UCAS Best Undergraduate Research-Intern Report*

Nov. 2015 / Apr. 2016

## 📖 MISCELLANEOUS

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- Languages: English - Fluent, Mandarin - Native speaker
- Hobbies: Swimming, Science Fiction
- Extracurricular Activities:
  - Asian International Model United Nations, Peking University, Beijing, China Apr. 2016
  - Editor for UCAS Undergraduate Social Platform, UCAS, Beijing, China Sept. 2015 – June 2016
  - Volunteer Science Teacher, Hua-Ao School, Beijing, China Oct. 2014 – Jan. 2015