

QINGYANG TAN

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

🔍 RESEARCH INTERESTS

Computer Graphics, Computer Vision, Machine Learning

🎓 EDUCATION

University of Chinese Academy of Sciences (UCAS), Beijing, China Sept. 2014 – Present

Undergraduate Student in Computer Science and Technology, B.Eng. expected June 2018

GPA: 3.89/4.0 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

Recognition of Isolated and Continuous Sign Language

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

Sept. 2017 – Present

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

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

- 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

UCAS First-Class Academy Fellowship

Oct. 2015 / Oct. 2016 / Oct. 2017

UCAS Best Undergraduate Research-Intern Report

Nov. 2015 / Apr. 2016

📖 MISCELLANEOUS

- 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