Qinbo Li

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EDUCATION

Texas A&M University — Computer Science, *College Station, TX*
PhD *Aug. 2017 – Current.*
GPA: 4.00 / 4.00

Texas A&M University — Computer Science, *College Station, TX*
Master of Science *Aug. 2013 – Aug. 2016*
GPA: 3.75 / 4.00

Sun Yat-Sen University — Software Engineering, *Guangzhou, China*
Bachelor *Sep. 2009 – Jun. 2013*
GPA: 3.77 / 5.00, Second Class Scholarship

WORK EXPERIENCE

UWinTech, *Guangzhou, China*
Machine Learning (Intern) *Feb. 2017 – Jul. 2017*
- Developed anomaly detection and alerting module which can monitor servers and alert anomaly data in real time
- Using LSTM, Keras, Tensorflow, Tornado, Apache Storm, InfluxDB

CURRENT RESEARCH PROJECTS

Synthesizing Light-field Image Using Convolution Neural Networks
Lab: Aggie Graphics Group
- Synthesizing light-field from a single image on general scenes, while previous method only works on limited scenes
- Using Convolutional Neural Network, Perceptual Loss, developed in PyTorch

Learning to Use Tools with Deep Reinforcement Learning
Lab: Brain Network Lab
- Building an open-source environment for tool using research; Train the agent to use tools in affordance tasks
- Using OpenAI gym, MuJoCo simulator, developing in PyTorch

PUBLICATIONS

1. **Qinbo Li**, Adam G. D'Souza, Mahin Ramezani, Cason Schmit, Hye-Chung Kum, Increasing Transparent and Accountable Use of Data by Quantifying the Actual Privacy Risk in Interactive Record Linkage, AMIA Annual Symposium, 2019
2. Hye-Chung Kum, Eric D. Ragan, Gurudev Ilangovan, 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
3. **Qinbo Li**, Sheng-Jen ("Tony") Hsieh, "An Intelligent Tutoring System for Computer Numerical Control Programming", International Journal of Engineering Education (IJEE), 2019.
4. Han Wang, **Qinbo Li**, Jaewook Yoo, and Yoonsuck Choe, "Dynamical analysis of recurrent neural circuits in articulated limb controllers for tool use", 2016 International Joint Conference on Neural Networks (IJCNN), Vancouver, BC, 2016
5. **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), Killarney, 2015
6. Yoonsuck Choe, Jaewook Yoo, and **Qinbo Li**. "Tool construction and use challenge: Tooling test rebooted", In AAAI-15 Workshop on Beyond the Turing Test, 2015. 2 pages.

SKILLS & OTHERS

Programming Languages: Python, C/C++, Java, PHP, Javascript
Machine Learning: Pytorch, Tensor Flow, Pandas, sklearn
Web Development: HTML, CSS, Apache Server, Apache Storm, Flask, CodeIgniter, Twitter Bootstrap, JQuery
Databases: MySQL, MongoDB, Redis, InfluxDB
Software Engineering: Git, Git Flow, SourceTree
Interests: Deep learning, Machine Learning, Neural networks, Data analysis

AWARDS

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