Junde Li

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EDUCATION

Pennsylvania State University   **Jan. 2019 – Present**

PhD student in Computer Science and Engineering

Advisor: Swaroop Ghosh

City University of Hong Kong   **Oct. 2016**

MSc in Engineering Management

Qingdao University   **Jun. 2015**

BSc in Logistics Management

RESEARCH INTERESTS

Autonomous Systems, Quantum Computing. I am interested in machine learning, computer vision, autonomous driving, robotics, quantum computing, and their interaction for hybrid quantum-classical optimization, and quantum machine learning.

RESEARCH EXPERIENCE

Matrix Auto Technology Ltd   10/2018 – 12/2018
A.I. Software Engineer (Autonomous Driving)   *Hong Kong*
MAT is a startup company providing self-driving car solutions and services.
Advisor: Jean Lam

ASM Pacific Technology Ltd   07/2018 – 10/2018
Process Engineer (R&D)   *Hong Kong*
ASMPT is a leading integrated solution provider in semiconductor and electronics industries.
Advisor: Damon Deng, Pak Kin Leung

City University of Hong Kong   07/2016 – 12/2018
P/T Research Assistant, in Department of System Engineering and Engineering Management   *Hong Kong*
Advisor: Dr. Alan Chan

PUBLICATIONS

J. Li, M. Alam, A. Ash-Saki, S. Ghosh. (2020). Hierarchical Improvement of Quantum Approximate Optimization Algorithm for Object Detection. International Symposium on Quality Electronic Design. (Invited paper)

J. Li, N. Gattu, S. Ghosh. FAuto: An Efficient GMM-HMM FPGA Implementation for Behavior Estimation in Autonomous Systems. Transactions on Design Automation of Electronic Systems (TODAES). (Under Review)

J. Li, Q. Ma, A. Chan, & S. Man. (2019). Health Monitoring through Wearable Technologies for Older Adults: Smart Wearables Acceptance Model. Applied Ergonomics. (2019) 162-169.

TEACHING EXPERIENCE

Pennsylvania State University   Spring & Fall 2019
Teaching Assistant for CMPSC 360 Discrete Mathematics   *State College, PA*
Hold weekly recitations and office hours

HONORS AND AWARDS

Self-driving Car Nanodegree (Computer Vision and Deep Learning), Udacity   2018
Distinction, City University of Hong Kong   2016
Excellent Student Award, Qingdao University   2013
Third-class Scholarships, Qingdao University   2011-2013

TECHINICAL SKILLS

Computer Languages: Python, MATLAB, C++, Verilog
Tools: Tensorflow, Caffe, OpenCV, Linux Shell, High-level Synthesis