

XIN LI

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5775 Morehouse Drive, San Diego, CA 92121-1714 USA

EDUCATION BACKGROUND

Lehigh University, Department of Computer Science and Engineering, *09/2015 – 01/2020*

Ph.D. in Computer Science

Overall GPA: 3.97/4.00

Peking University, School of Software and Microelectronics, *09/2012 - 07/2015*

Master of Engineering in Software Engineering

Overall GPA: 3.70/4.00

Qingdao Technological University, Shandong, *09/2008 - 07/2012*

Bachelor of Engineering in Software Engineering

Overall GPA: 85/100 Rank: 5/62

RESEARCH INTERESTS

Computer Vision, Deep Learning, Autonomous Driving, Software Engineering

WORKING EXPERIENCE

1. Qualcomm Technologies, Inc., San Diego, CA, USA

[Full time, Senior Engineer]

10/2019–Present

Manager: Dr. Yingyong Qi

Research Topic: Object Segmentation, Action Recognition

2. Samsung Research America Inc. (SRA), Mountain View, CA, USA

[Research Intern]

05/2019–08/2019

Mentor: Dr. Hongxia Jin, Dawei Li

Research Topic: Human Action Prediction [**Paper submitted**]

3. Qualcomm Technologies, Inc., San Diego, CA, USA

[Interim Engineering Intern]

05/2018–08/2018

Mentor: Dr. Bolan Jiang, Dr. Shuai Zhang

Research Topic: Convolutional Network Decomposition [**Paper published**]

4. Qualcomm Technologies, Inc., San Diego, CA, USA

[Interim Engineering Intern]

05/2017–08/2017

Mentor: Dr. Bolan Jiang

Research Topic: Fast Object Detection on Mobile Platform [**Patent Granted**]

TEACHING EXPERIENCE

Computer Organization and Architecture (CSE202), Lehigh University

Teaching Assistant with Prof. Jason Loew

Spring 2017

Artificial Intelligence Theory and Practice (CSE327), Lehigh University

Teaching Assistant with Prof. Jeff Heflin

Spring 2018

PATENT

- Bolan Jiang, **Xin Li**, Shuxue Quan, and Yunke Pan. "Combining Convolution and Deconvolution for Object Detection." U.S. Patent No. 10,628,705. 2020.

RESEARCH PUBLICATIONS

- **Xin Li**, Xiaowen Ying, Mooi Choo Chuah. "GRIP++: Enhanced Graph-based Interaction-aware Trajectory Prediction for Autonomous Driving". arXiv preprint. 2020.
- **Xin Li**, Xiaowen Ying, Mooi Choo Chuah. "GRIP: Graph-based Interaction-aware Trajectory Prediction." IEEE INTELLIGENT TRANSPORTATION SYSTEMS CONFERENCE (ITSC). 2019.
- **Xin Li**, Shuai Zhang, Bolan Jiang, Yingyong Qi, Mooi Choo Chuah, Ning Bi. "DAC: Data-free Automatic Acceleration of Convolutional Networks." IEEE Winter Conference on Applications of Computer Vision (WACV). 2019.
- Xiaowen Ying, **Xin Li**, Mooi Choo Chuah. LiveFace: A Multi-Task CNN for Fast Face-Authentication. 2018 IEEE International Conference on Machine Learning and Applications (ICMLA). 2018
- **Xin Li**, Mooi Choo Chuah. "ReHAR: Robust and Efficient Human Activity Recognition." IEEE Winter Conference on Applications of Computer Vision (WACV). 2018.
- **Xin Li**, Mooi Choo Chuah. SBGAR: Semantics Based Group Activity Recognition. IEEE International Conference on Computer Vision (ICCV). 2017.
- **Xin Li**, Mooi Choo Chuah, Subhrajit Bhattacharya. UAV assisted Smart Parking Solution. IEEE International Conference on Unmanned Aircraft Systems, 2017.
- **Xin Li**, Qinghan Xue, Mooi Choo Chuah. CASHEIRS: Cloud Assisted Scalable Hierarchical Encrypted Image Retrieval System. IEEE International Conference on Computer Communications (IEEE INFOCOM). 2017.

Skills: Proficient in Python, C/C++, C#, Java, SQL, MATLAB; Keras, Tensorflow, Caffe, Pytorch; Android