
CURRICULUM VITAE

Name: Jianping Lin(林建平) **Gender:** Male
Date of Birth: Mar.04, 1993 **Place of Birth:** Fujian Province, China
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Education:

- 2009.09~2012.06, Senior High School, Longyan No.1 Middle School, Fujian Province.
- 2012.09~2016.07, University of Science and Technology of China (USTC), pursuing Bachelor of Electronic Engineering and Information Science.
- 2016.09~2018.09, Graduate student majoring in Signal and Information Processing at USTC.
- 2018.09~present, Ph.D. candidate majoring in Signal and Information Processing at USTC.

Main Experience:

- 2015.07~2016.06, research intern at Microsoft Research Asia
 - Homography model based motion estimation for inter-prediction in HEVC
- 2016.07~2019.11, working on the deep learning based video coding techniques at USTC
 - GAN based frame extrapolation for video coding
 - CNN based block up-sampling for HEVC
- 2019.11~present, visiting Ph.D. student at Simon Fraser University Canada
 - End-to-end learned video compression

Main Skill:

- Video Coding
 - Skilled in High Efficiency Video Coding
- Computer Skills
 - Excellent in C/C++/ Matlab/python, Knowledge and experience in Machine Learning
- Language Skills
 - CET6 (479)

Honors & Recognition:

- 2015, National Encouragement Scholarship.
- 2014, Outstanding Student Scholarship (Grade 2) of USTC.
- 2013, Outstanding Student Scholarship (Grade 2) of Institute of Modern Physics, China Academy of Sciences(IMPCAS).

Publication

- **Jianping Lin**, Dong Liu, Houqiang Li, Feng Wu, “Generative Adversarial Network-Based Frame Extrapolation for Video Coding”, IEEE International Conference on Visual Communications and Image Processing (VCIP), 2018.
- **Jianping Lin**, Dong Liu, Haitao Yang, Houqiang Li, Feng Wu, “Convolutional Neural Network-Based Block Up-Sampling for HEVC”, IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2018.
- Dong Liu, Yue Li, **Jianping Lin**, Houqiang Li, Feng Wu, “Deep Learning-Based Video Coding: A Review and A Case Study”. ACM Computing Surveys, 2019.

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- **Jianping Lin**, Dong Liu, Houqiang Li, Feng Wu, “M-LVC: Multiple Frames Prediction for Learned Video Compression”. Accepted by CVPR 2020.