

YUN CHEN

✉ chenyluntc@gmail.com · 🌐 https://tmux.top · 📄 chenyluntc · ☎ (+1) 647-869-3455

🎓 EDUCATION

Beijing University of Posts and Telecommunications (BUPT) 2016 – 2019

Master student in Pattern Recognition and Intelligent System Laboratory (PRIS)

Co-advised by Prof. Bo Xiao and Prof. Zhiqin Lin

Beijing University of Posts and Telecommunications (BUPT) 2012 – 2016

Bachelor student in Communication Engineering, rank 33/597

Member of *Ye Peida Class* and Beijing Outstanding Graduates Honor.

👤 EXPERIENCE

Uber Inc. ATG R&D Sep. 2018 – present

AI Resident → *Research Scientist* Self-driving, Computer Vision

- Working with Prof. Raquel Urtasun on multi-sensor tasks for self-driving.
- New **state-of-the-art** methods in depth completion and 3D detection in KITTI.

Alibaba Inc. Machine Intelligence, DAMO Academy Mar. 2018 – Jun. 2018

Research Intern Artificial Intelligence, Computer Vision

- Working on object detection for 3D medical data on weakly-supervised learning.
- Developing unified 3D volumetric object detection frameworks with efficiency and high accuracy.

Github Projects 📄 chenyluntc Dec. 2014 – present

Passionate Developer, Maintainer, Contributor. **10K star, 3K fork, 1.5K followers**

- *simple-faster-rcnn-PyTorch*: A memory-efficient (3GB), minimal (4000 lines of code), fast (6fps) implementation of Faster R-CNN achieving even higher mAP than origin paper (71.2 vs 69.9).
- *PyTorch-book*: PyTorch tutorials and many interesting projects such as anime generation, neural style, image caption and audio processing.

📖 PUBLICATIONS

- Learning Joint 2D-3D Representations for Depth Completion. *ICCV 2019*
Y. Chen, B. Yang, M. Liang and R. Urtasun (*SOTA results in KITTI depth completion.*)
- Multi-Task Multi-Sensor Fusion for 3D Object Detection. *CVPR 2019*
M. Liang*, B. Yang*, **Y. Chen**, R. Hu and R. Urtasun (*SOTA results in KITTI 3D/BEV detection.*)
- Volume R-CNN: Unified Framework for CT Object Detection and Instance Segmentation. *ISBI 2019*
Y. Chen, J. Chen, B. Xiao, Z. Wu, Y. Chi, X. Xie, X. Hua
- PyTorch: Introduction and Practice (technical book). *Publishing House of Electronics Industry 2018*
Y. Chen (*Best seller and Excellent Author of 2018 in PHEI*)

⚙️ SKILLS & MISCELLANEOUS

- **Programming Languages**: Python > C/CPP/CUDA/Lua > Java/Scala/Groovy
- **Deep Learning Framework**: PyTorch > Caffe > Chainer > Torch > Tensorflow
- **Tools**: Linux, Docker, HDFS, Distributed computing, [No]SQL, \LaTeX , and more...
- Code contributor to **PyTorch** (10 commits merged), active in PyTorch community, find me in PyTorch team's first-year summary (id: chenyluntc)
- **Linux lover**, ArchLinux Wiki contributor, Android geek, Raspberry Pi and OpenWrt enthusiast.
- Reviewer for **RA-L** and **CVPR**, 3 anonymous submissions to **CVPR 2020**.
- **Champion** out of 967 teams in Zhihu Machine Learning Challenge (NLP task). **First Prize** of Beijing Mathematics Contest for University Students.