CONTACT INFORMATION

Department of Automation, Tsinghua University, China   qin123@163.com
Homepage: https://www.vincentqin.tech/about   Tel: 86-17520453232
GitHub: https://github.com/vincentqyw

RESEARCH INTERESTS

Computer Vision: image processing (depth estimation from light field) and pattern recognition (license plate recognition).
GPU Acceleration: code optimization, thread scheduling, memory management.

EDUCATION

Tsinghua University(THU), Beijing, China

M.E., Department of Automation   Sep 2015 – Jul 2018
- Major in Control Engineering
- Advisor: *Prof.* Xin Jin
- GPA: 3.5/4.0

Chongqing University of Posts and Telecommunications(CQUPT),Chongqing, China

B.S., Department of Automation   Sep 2011 – Jul 2015
- Major in Automation
- GPA: 3.8/4.0

MAJOR CURRICULUM

Postgraduate Courses: Machine Learning, Digital Image Processing, Convex Optimization, Next Generation Video Coding and Low Power Design, Stochastic Processes, Modern Signal Processing, Data Mining, Pattern Recognition, Advanced Computing.
Undergraduate Courses: Automatic Control Principles, Signals and Systems, Circuit Theory, Power Electronics Technology.

CONFERENCE PUBLICATIONS

1. **Yanwen Qin**, Xin Jin, Yanqin Chen, and Qionghai Dai, "Enhanced Depth Estimation for Hand-Held Light Field Cameras," *International Conference on Acoustics, Speech and Signal Processing* (**ICASSP**), 2017. (**Poster**)

2. **Yanwen Qin**, Xin Jin, and Qionghai Dai, "Gpu-Based Depth Estimation for Light Field Images," *Pacific-Rim conference on Multimedia* (**PCM**), 2017. (**Accepted**)

PATENTS

1. Xin Jin, **Yanwen Qin**, and Qionghai Dai, " A Depth Optimization Algorithm Based on Morphological Confidence Region Propagation," *China Patent No.201610823043.9*

2. Xin Jin, **Yanwen Qin**, and Qionghai Dai, " An Angular Patch Based Depth Estimation Method for Hand-Held Light Field Images," *China Patent No.2017101745053*

ACADEMIC ACTIVITY

- Visit Japanese Universities and Exchange Research Ideas(Japan),   Jan 2017
- Student Member, IEEE

INTERNSHIP EXPERIENCE

- Computer Vision Algorithm Intern   May 2017 – Sep 2017
  SenseTime Group Limited in ShenZhen China.   Supervisor: Dr. Wenxiu Sun
  Projects: Sparse Depth Map Enhancement using Multiple Filters; Coding Refactory and Compiling.etc.

HONORS AND AWARDS

- Third Prize Scholarship of Tsinghua University,   2016
- Outstanding graduates in **CQUPT**,   2015
- **SK Hynix** Creative Talents Scholarship **CQUPT**,   2014
- Third Prize College Entrepreneurship Competition(Chongqing, China),   2014
- First Prize Mathematical Contest in Modeling(**MCM**)(Chongqing, China),   2013
- National Scholarship (Ministry of Education, China, Top 2%),   2012,2013
- Excellent Student in **CQUPT** (Top 5%),   2012,2013

SKILLS
- Strong research sense and good at mathematics & algorithms.
- One-and-A-Half year English Group Meeting Experience.
- Programming: Matlab, C/C++, CUDA, Python, Linux, OpenCV, LaTeX, Markdown.
- Useful tools: Visual Studio, Weka, Photoshop, Excel.