Yuwei Qiu | Curriculum Vitae

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Educational Background

School of Computer Science, Carnegie Mellon University **Pittsburgh, PA**
Master of Computational Data Science (MCDS) *Aug 2018 - Present*

Department of Electronic Engineering, Tsinghua University **Beijing, China**
*Bachelor of Engineering, CGPA - **3.8/4.0*** *Aug 2014 - Jul 2018*

Work Experiences

Software Engineer **Huawei Technologies**
End-to-End Printed Chinese Text Recognition *Nov 2017 - Jan 2018*

- Constructed a multi-pathway CNN for character recognition utilizing spatial information and logogram usage in Chinese and made use of semantic information through a statistic CRF model boosting accuracy to 96.8%.
- This work was used in Huawei Nova series as artificial intelligence tools.

Project Assistant **University of Pennsylvania**
Skeleton Body Pose Prediction Based On GoPro Videos *Jul 2017 - Sep 2017*

- 3D-reconstructed context from highly jittery, blurry and narrow ego-centric frames with Multi-View Stereo and concatenated a joint-tracking CNN with LSTM to estimate and predict skeleton body pose of camera-holder.
- This work was awarded 2017 Outstanding Undergraduate Research Award.

Project Assistant **Tsinghua University**
Hardness Prediction for Object Detection Inspired by Human Vision *Dec 2016 - Jun 2017*

- Fused novel eye tracking features with feature maps in CNN to utilize complicated human visual traits. Proposed an unsupervised learning approach to generate eye tracking features directly from input images to replace laborious eye tracking experiments.
- This work has been contributed to a first-authored paper, accepted as oral presentation in ICIG 2017.

Honours and Awards

- *Person of the Year 2017 Award of Tsinghua University* for excellent academic achievements, **(top 1%, First Honor)**.
- *2017 Tsinghua Comprehensive Scholarship* for excellent overall achievements, **(top 2%, First Honor)**.
- *2016-2017 Tsinghua Annual Undergraduate Scholarship* for excellent research achievement, **(top 5%)**.

Technical Skills

Programming: C, C++, MATLAB, HTML, CSS, Linux, MacOS, Windows

Software Packages: Caffe, PyTorch, MXNet, TensorFlow(basic), LaTeX(basic)