

Yuwei Qiu

Curriculum Vitae

Carnegie Mellon University
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Educational Background

- Aug 2018 - Present **Master of Computational Data Science (MCDS)**, School of CS, Carnegie Mellon University, Pittsburgh, PA.
- Aug 2014 - Jul 2018 **Bachelor of Engineering**, Department of EE, Tsinghua University, Beijing, China, CGPA - **3.8/4.0**.

Work Experiences

- Huawei Technologies
Nov 2017 - Jan 2018 **End-to-End Printed Chinese Text Recognition**, Software Engineer.
- 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.
- University of Pennsylvania
Jul 2017 - Sep 2018 **Skeleton Body Pose Prediction Based On GoPro Videos**, Project Assistant.
- 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.
- Tsinghua University
Dec 2016 - Jun 2017 **Hardness Prediction for Object Detection Inspired by Human Vision**, Project Assistant.
- 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++, PYTHON, MATLAB, HTML, CSS, JAVASCRIPT, Linux, MacOS, Windows
- Software Packages CAFFE, MXNET, TENSORFLOW(basic), LATEX(basic)