Zhengyu Chen

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EDUCATION

Carnegie Mellon University - School of Computer Science   Pittsburgh, PA   08.2018–12.2019
- Master of Science in Computer Science

Tsinghua University - School of Software   Beijing, China   09.2014–07.2018
- Bachelor of Engineering in Software Engineering, GPA: **89** / 100
- Minor Degree in Business and Management,   GPA: **91** / 100
- Honor Student Scholarship, 2015, 2016.

University of Texas at Austin - Computer Science   Austin, TX   01.2017–06.2017
- Exchange Student Programme, GPA: **4.0**/4.0

SKILLS

Programming Languages: Python, C++, C, Javascript, Matlab
Computing Environment: Linux, Mac OS, Windows

RESEARCH EXPERIENCE

Tsinghua University | Advised by Prof. Guiguang Ding | Senior Thesis   02.2018-06.2018
- Developed a multi-person tracking system based on MOT Dataset. Enhanced the performance of tracking system based on an online-tracking method.

UC Berkeley PATH Research Lab | Advised by Prof. Ching-yao Chan   06.2017-09.2017
- Did research in Berkeley DeepDrive Program which is led by Trevor Darrell.
- Implemented a multi-object tracking system that can analyze video data shot from the roof of a building, extract the trajectories of cars that have passed through the scene on road, and convert the trajectories into real world coordinates.

UT Austin Graphic&AI Group | Advised by Prof. Qixing Huang   02.2017-05.2017
- Used Greedy Direction Method of Multiplier to accelerate assignment problem in large matrices cases.

EXPERIENCE

Lucidcam Co. Internship   Silicon Valley, CA   07.2016-08.2016
- Surveyed/investigated VR development trend and wrote a report about its current situation and future development.
- Employed edge detection techniques to modify the contrast ratio and the density of pixels in order to beautify the scene, and abstract object to change its background.

RELEVANT COURSES

In Tsinghua University:
Data Structure and Algorithm
Multi Media(Computer Vision, Graphics and Audio Analysis)
Web Front-end Technology
Python Programming
Probability and Statistics
Complex Analysis
In CMU:
In-Progress: NLP, Distributed System, Machine Learning

HONORS & AWARDS

- 2015 "Qianheng Huang" Scholarship, honored for Top 10 in School of Software, Tsinghua.
- 2016 "Guang Hua" Scholarship, honored for Top 10 in School of Software, Tsinghua.
- 2nd Prize in National High School Physics Competition, 2014.
- 2nd Prize in National High School Mathematics Competition, 2013 & 2014.
- Member of Tsinghua University chorus and won Gold Prize in Beijing College Student Music Festival, Tsinghua.