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
- Major in software engineering,   GPA: **89** / 100
- 2015, 2016 Honor Student Scholarship, honored for Top 10 in School of Software.
- Minor in Business and Managements,   GPA: **91** / 100

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   02.2018-06.2018
- Did a multi-person tracking based on MOT Dataset. Enhanced the performance of tracking system based on an online-tracking method. A thesis was written about this project.

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 analysis the 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
- Employed 2D/3D models Skull to retrieve and classification which aim to find the most similar 'health' skull to a given 'deformed' skull
- Used Greedy Direction Method of Multiplier to accelerate assignment problem in large matrices cases.

EXPERIENCE

Lucidcam Co. Internship   Silicon Valley, CA   7.2016-08.2016
- Surveyed/investigated VR development trend and found it a very potential area.
- 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.

SOME RELEVANT COURSES AND SCORES

In Tsinghua University:
Data Structure and Algorithm   90
Multi Media(Computer Vision, Graphics and Audio Analysis) 95
Web Front-end Technology   96
Python programming   94
Linear algebra   97
Probability and Statistics   98
Complex Analysis   100
In CMU:
In-Progress: NLP, Distributed System, Machine Learning

HONORS & AWARDS

- 2015 "Qianheng Huang" Scholarship, honored for Top 10 in School of Software.
- 2016 "Guang Hua" Scholarship, honored for Top 10 in School of Software.
- 2nd Prize in 2014 National High School Physics Competition
- 2nd Prize in 2014 National High School Mathematics Competition
- 2nd Prize in 2013 National High School Mathematics Competition
- 1st place in Tsinghua University independent recruitment, Hubei Province
- Member of Tsinghua University chorus and won Gold Prize in Beijing College Student Music Festival