

Wentao Wu

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Address: Baoli Central Park 8-2001, Changjiang Rd(N), Wuxi, Jiangsu, China

Education Background

University of Pittsburgh

B.S. in Computer Science; Minor: Applied Statistics

- GPA: 3.96/ 4

Pittsburgh, PA, USA

08/2020 – 12/2022

Nanjing University of Posts and Telecommunications (Transferred Out)

B.Eng. in Computer Science and Technology

- Average Grades: 83.31 / 100

Nanjing, Jiangsu, China

09/2017 – 06/2020

- Relevant Courses: Discrete Mathematics, Data Structure, Computer Organization, Operating System, Database Management System, Computer Graphics, Apply Statistical Methods, Applied Regression

Honors & Awards

- 2020 Dean's List, University of Pittsburgh
- GPA: 4.0/4.0, 2020 fall exchange Student, Fudan University

Research Experience

Nanjing HPC & Big-data Processing Institute

Team Leader

Nanjing, Jiangsu, China

12/2018 – 01/2019

- Used OpenCV, Gaussian Smoothing and Hough Transform to design software, finally realizing the self-driving vehicle's recognition of traffic lights, obstacle detection and avoidance and pedestrian stop at zebra crossings based on Python.
- Preliminary understood the basic framework of convolutional neural network - target detection based on deep learning.
- Won the Excellent Team Award (First place, Only), Advisor: Prof. Yimu Ji

Publication

- "[Image colorization algorithm based on improved GAN](#)"
*Designed and improved generation adversarial network (GAN) through self attention model (SAM).
Introduced spectral normalization method to improve the quality of the image generated by network.*

Practical Experience

CAS-NIALT

Assistant R&D Engineer

Nanjing, Jiangsu, China

07/2019 – 07/2019

- Developed applications on Android devices, connecting laser sensor devices to monitor the trajectory of the golf ball.
- Programed path planning and automatic obstacle avoidance for multi rotor UAV.

Bosch Automotive Systems (Wuxi) Co., Ltd.

Intern Associate

Wuxi, Jiangsu, China

01/2021 - 05/2021

- Supported for the data analysis, visualization and automation in financial area based on Python.

Skills and Others

- Language: Mandarin, English
- Programming Skills: Java, Python, SPSS, Matlab