

Hongjian Liu

Electronic Engineering and Information Science
University of Science and Technology of China(USTC)
96 Jingzhai Rd
Hefei, Anhui 230026, P.R.China

Email: jeffeey@mail.ustc.edu.cn
Web: <http://home.ustc.edu.cn/jeffeey/>
Phone: 86-13438879134

(a) Education

University of Science and Technology of China(USTC) 2018-present
Bachelor of Electronic Engineering and Information Science

(b) Academic Performance

GPA:3.75/4.3 Weighted Average:88.76/100,
major ranking **12/87**

Core Courses: Signals and Systems(99), Computer Programming A(95), Linear Electronic Circuits(94), Linear Algebra B1(92), Function of Complex Variable B(95), Stochastic Process B(92), Calculus for Functions of Several Variables(93)

(c) Honor & Awards

Talent Student Golden Scholarship in University of Science and Technology of China, 2018
Talent Student Silver Scholarship in University of Science and Technology of China, 2020

(d) Research Experience

Deep reinforcement learning on robot navigation and collision avoidance

- Focused on robot navigation and collision avoidance using deep reinforcement learning.
- Proficient in ROS, Pytorch
- Applied the theory of SMDP(semi-Markov decision process).
- Used UWB(Ultra Wide Band) to locate robots.

MSRA project: Digital Human Teleportation

- used deeplabv3 for semantic segmentation and applied deep image matting to improve matting

Image style transfer

- transfer the style of the image and used ffmpeg to apply style transfer for videos
-

(e) Skills

- | | | | | | |
|---------------------------------------|-------|----------|-----|---------|--|
| 1. Programming Language: C | C++ | Python | | | |
| 2. Software tools: Matlab(DSP) | Latex | Multisim | Git | Pytorch | |
-

(f) Language

TOEFL:99 R:28 L:25 S:22 W:24 Dec/20/2020

(g) Leadership and Activities

Investigated the post-disaster reconstruction situation in Dujiangyan area after the Wenchuan earthquake with my friends.
