

PENG WANG

✉ pwang15@fudan.edu.cn · ☎ (+86) 15802112375 ·

EDUCATION

Fudan University, Shanghai, China

Sep. 2015 - Jun. 2019

B.S. in Computer Science (CS)

Original GPA: 3.63/4.00 (Rank 12/117 in School of Computer Science)

Major GPA: 3.82/4.00

Some Courses with grade A:

Linear Algebra, Mathematical Analysis, Probability Theory, Data Structure, Algorithm, Information Theory, College Physics, Object Oriented Programming, Basic Analog Electronics, Digital Logic and Component Design, Computer Vision, Natural Language Processing, Introduction to Computer System, Introduction to Database

EXPERIENCE

ACM-ICPC Team Member, Fudan University

Sep. 2015 - Nov. 2017

Got 2 gold medals and 1 champion in ACM-ICPC regional contests.

Got 1 gold medal in CCPC final contest.

Development Engineer Intern, YouTu Lab, Tencent Inc.

Mar. 2018 - Jun. 2018

Refactor the video streaming module on top of GStreamer.

Use CUDA to accelerate video format converting.

The module works stably in Jetson TK1/TX1 platform and can decode mutiple video streams concurrently.

Algorithm Engineer Intern, Pony.ai

Jul. 2018 - Aug. 2018

Work in PnC(Planning and Control) group.

Improve the logic in traffic light intersection. The autonomous car can handle the case where blinking yellow light appears.

HONORS AND AWARDS

ACM-ICPC Asia Hong Kong Regional Contest, Champion

Nov. 2017

ACM-ICPC Asia China-Final Contest, Gold Medalist

Dec. 2016

Outstanding Students at Fudan University, Second Prize

Sep. 2017

Outstanding Students at Honor Class of Computer Science, First Prize

Sep. 2017

Outstanding Students at Fudan University, Third Prize

Sep. 2016

PERSONAL PROJECTS

NLP Course Project: Simple Lyric Generator

Jan. 2018

A Chinese lyric generator. Use char-RNN with TensorFlow.

Trained two RNN model with 120W+ Chinese characters extracted from Netease Music, one model with word segmentation, another without.

The lyrics generated have basic natural sentence structures.

CV Course Project: Stereo Vision

Jan. 2018

A series of algorithms to achieve stereo vision, mainly binocular vision.

Actualized camera calibration and stereo matching with 2 cheap cameras, mainly by OpenCV.

The finished product can generate basic depth maps from images captured by the 2 cams.

SKILLS

- Programming Languages: C++ == Python3 » HTML == JavaScript
- Other Tools: TensorFlow, OpenCV-Python, NumPy, CUDA, Flask, MySQL, PyQt
- Platform: Linux

RESEARCH INTEREST

Computer Graphics, Computer Vision, Trajectory Data Mining

MISCELLANEOUS

- CodeForces: <http://codeforces.com/profile/Totoro>
- GitHub: <https://github.com/totoro97>
- Blog: <http://totoro97.github.io>