MENGDIE ZHOU

dandanzmd@sjtu.edu.cn | 800 Dongchuan RD, Shanghai, China | +86 15821858761

EDUCATION

Shanghai Jiao Tong University(SJTU)   Shanghai, China
B.S. in Electrical Engineering   Sept. 2015 – June 2019

- **Major GPA**:3.75/4.30 (88.26/100)   **Rank**: 11/59   **GPA**: 3.69/4.30 (87.43/100)
- **CS Courses**：Thinking and Approach of Programming; Data Structures and Algorithms; ARM Embedded Systems and its Experiments; Big Data Mining; Network Security Management Technology; Signals and Systems; Operating systems(coursera)

HONORS AND AWARDS

- SCSK First Class Scholarship(Top 5 in SJTU)   2018
- B-class Scholarship for Excellent Academic Performance (Top 10% in SJTU)   2018
- C-class Scholarship for Excellent Academic Performance (Top 20% in SJTU)   2016&2017
- Honor of Elite League Member   2016
- Championship in CUBA Shanghai District   2017
- Champion in the basketball game of 16th Shanghai Game   2018

PROFESSIONAL EXPERIENCE

Network & Information Management Organization, Shanghai Jiao Tong University   Shanghai, China
Network maintenance Team   Dec. 2015 – June. 2018

- Fixed network connection problems including changing network ports and maintaining exchange boards.
- Provided technique support for students in campus.

Intelligence image process Lab   Shanghai, China
Magic Mirror (C++/Python) [demo]   May 2018 – Jul.2018

- Designed and implemented a project that performed arbitrary style transfer in video flow, based on Kinect II. The project supports gesture recognition, foreground extraction and age recognition. Human-Computer interaction is also provided: gesture of opening hands to open the project, scissor hands to change style, closing hands to close the project.

Semantic-Preserving Multiple Artists' Style Transfer(working paper for ICML2019)   Jul 2018 –

- Proposed a SPMA framework to address the issue of semantic information loss and style extraction.
- Developed a multi-condition, single generator GAN to perform multi-style transfer.
- Introduced a feature-level soft-mask skip to maintain semantic consistency.

ACADEMIC EXPERIENCE

Link Prediction [Kaggle] [code]   Apr. 2018 – May. 2018

- Proposed a voter mechanism combing Trans E and Trans R to infer missing links in an observed academic knowledge graph. Rank top5 in Kaggle competition.
- Poster and code are available at [code].

AlphaBar--Intelligent Cocktail Shaker [demo] [code]   Mar. 2018 – June 2018

- Built an auto-cocktail shaker based on Arduino singlechip. An Android App was developed with Bluetooth and speech control under both user and administrator modes.
- Got the best presentation award in the final course project exhibition

Parametr calibration of CT system and image reconstruction [code]

- Reconstructed CT image using Filtered Back Projection algorithm and random transform.
- Calibrated the distance between detector units and coordinate of rotation center by modeling absorption peak of radiation and angle of rotation.

EXTRA-CURRICULUM ACTIVITIES

Volunteer in Shanghai International Marathon	Nov.2016,Nov.2017
Captain of woman basketball team, school of electronic information and electrical engineering	2016-2018
Captain of school basketball	2017-2018

SKILLS

- **Programming Languages:** Python, C++, MATLAB, Verilog, LabView
- **Tools:** TensorFlow, PyTorch, LaTex, Caffe, OpenCV