

MINGYANG CHEN

☎(+86)15221266313 ✉cmy_123@sjtu.edu.cn

📍 Shanghai Jiaotong University, 800 Dongchuan RD, Minhang District, Shanghai, P. R. China

EDUCATION

Shanghai Jiaotong University

Sept 2017 - Jun 2021

Bachelor of Computer Science, Zhiyuan honors program of engineering(top5%)

Overall GPA: 90.7/100, Major GPA: 91.9/100

Outstanding Courses: Operating Systems (99/100), Electronic System Design Based on Android System (100/100), Discrete Mathematics (97/100), Probability and Statistics (96/100)

RESEARCH EXPERIENCES

Predict Aware Relationship Detection | MVIG SJTU | Research Assistant

Jun 2019 - Nov 2019

Advisor: Cewu Lu, professor at Department of Computer Science, SJTU

- Constructed a novel multi-modal predicate aware learning network for scene graph generation.
- Proposed a predicate aware translation embedding module to refine the translated feature in relation space.
- Conducted extensive experiments on widely used VRD and VG datasets. Our approach set a new state-of-the-art on these two datasets.

One paper in submission (CVPR 2020)

Activity Detection Based on Human Body PaSta(Part States) | MVIG SJTU | Research Assistant

Dec 2018 - Nov 2019

Advisor: Cewu Lu, professor at Department of Computer Science, SJTU

- Constructed PaStaNet, the first large-scale activity knowledge base with fine-grained human body part states annotations.
- Proposed a novel method to extract part-level activity representation named Activity2Vec and a corresponding PaSta-based reasoning method.
- Achieved significant improvements in both supervised and transfer learning on large-scale activity benchmarks.

One paper in submission (CVPR 2020)

PROJECT EXPERIENCES

VEX Robotics Competition

2018

- Design the structure of the robotics and write C++ program to remote controll it.

Hand Gesture Recognition with RealSense Camera ([code](#))

2019

- 3 methods for hand gesture recognition with RealSense camera
- Control pdf file with hand gesture.

3D Car Racing Game([code](#))

2019

- an OpenGL program that implements a 3D car racing game with computer graphics knowledge.

Remote Control Car([code](#))

2019

- an Android app used for remote controlling one-chip computer car in variable ways.

AWARDS AND HONORS

Third Prize in China Undergraduate Physics Contest, Shanghai Division

2018

Second Prize in China Undergraduate Mathematical Contest in Modeling, Shanghai Division

2018

Honorable Mention in Mathematical(Interdisciplinary) Contest in Modeling(MCM/ICM)

2018

Arawana Scholarship (1/152), Arawana Charity Foundation

2018

Zhiyuan Honorary Scholarship, Shanghai Jiaotong University

2018,2019

SOCIAL ACTIVITIES

“A survey about the employment situation of disabled people in Taizhou, Zhejiang”, Social practice Award for outstanding achievement, Shanghai Jiaotong University

2017

Volunteer teacher for Ethnic Minorities kids in Yunnan Province

2018

TECHNICAL SKILLS

Programming: C/C++, Python, Java

Software & Tools: Microsoft Office, MATLAB, Adobe Illustrator, Photoshop, LATEX