

王涵

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<https://github.com/Dynmi>

Research Interests

(Deep)Reinforcement Learning, (Machine Learning)Computer Vision

Education

- SiChuan University** ChengDu
Bachelor of Science in Computer Science Sep. 2018 - June. 2022
– Currently at third year of Bachelor's degree

Skills

Languages: C/C++, python, Linux Shell

Operating Systems: Linux(especially experienced), Windows10

Tools: Git, CUDA, LaTeX, Tensorflow2, Pytorch

English level: CET4 549 points

Mathematics: NEMT Math Mark 148 (full mark 150)

Competition Experience

- Flower Classification with TPUs** Kaggle
Use TPUs to classify 104 types of flowers, hosted by Google Cloud 2020
– Final rank top8%
- Chinese Software Cup - College Student Software Design Competition** National
See our work here: <https://github.com/SCUCnSoftBei2020/SmartTraffic> 2020
– Our Topic is "Traffic-Scene Application based on Computer Vision with Machine Learning Approches". We got National Silver Medal in the final round.
- Chinese National Undergraduate Mathematical Contest in Modeling** National
Problem B 2020
– We got National Second Prize in the final round.
- Google CodeJam 2020**
End with Round1-C

Open Source Contributions

Personal Tech Blog <https://www.cnblogs.com/dynmi>

Tensorflow Active contributor to Tensorflow. See details here:

<https://github.com/tensorflow/tensorflow/pulls?q=author%3ADynmi+>

Project Experience

- **Implementation of AlexNet-7** <https://github.com/Dynmi/AlexNet7>
 - Implementation of AlexNet-7, using C Program Language Without Any 3rd Library, according to the paper "ImageNet Classification with Deep Convolutional Neural Networks" by Alex Krizhevsky, et al.
- **RedBase** <https://github.com/Dynmi/RedBase>
(Ongoing)
 - RedBase is a complete single-user relational database management system. I'm working on it as the final project for Stanford CS346.
- **N-Body Gravity Simulation** <https://github.com/Dynmi/N-Body-Gravity-Simulation>
 - Project finished with C Program Language as the final project for MIT6.S096 "Effective Programming in C and C++".
- **Captcha Recognition** https://github.com/Dynmi/Captcha_Recognition
 - A fast and easy way to recognize captcha image, the cnn-model only has 5 layers, with an accuracy of 90%.
- **Lian-Lian-Kan Game** https://github.com/L-W-X-X/Superior_LianLianKan
 - This is the final project of our C++ course in SiChuan University. We used QT5 to implement this simple game.

College Experience

- **Yoga Association of Sichuan University**
President *April, 2019 - July, 2020*
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- **Dance Association of Sichuan University**
Major Organizer *Oct, 2018 - Jun, 2019*
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Award

Award of Everest Project Award to top10% students in SiChuan University

National Second Prize Chinese Software Cup College Student Software Design Competition

National Second Prize Chinese National Undergraduate Mathematical Contest in Modeling

Hobbies

Writing technology blogs, Breaking-move Dance, Chinese History Studies, Buddhist Studies