Li Yiyang

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EDUCATION

Shanghai Jiao Tong University   2017.09 - 2021.07
Undergraduate, Computer Science GPA: 3.898/4.3   *Shanghai, China*
<u>Rank:</u> **top 15%** (21/150)

<u>Honor:</u> 2020MCM/ICM Meritorious Winner(**top 7%**), 2018-2019 WOSAI-Technology Scholarship(**top 10%**), 2017-2018 School Class B Scholarship(**top 10%**), 2018-2019 School Class B Scholarship(**top 10%**), 2019 **Top10 Volunteers** of SEIEE, 2018 **Outstanding individuals** in social practice of SEIEE.

RESEARCH & CONTEST EXPERIENCE

2020 MCM/ICM Contest (Meritorious Winner)   2020.02
Team Leader   *Shanghai, China*

- **Project Introduction:** Our team used several indicators of network science such as Clustering Coefficient, Max-flow and Algebraic Connectivity, combining with a creative model we ourself proposed named "LrRoW" (Logistic - regression based Result-oriented Weighting model), to analyze the factors contributing to a successful team.

- **My Work:** Modeling and result visualization.

Fighting Epidemic Using AI · Big Data Challenge (10th Ranking)   2020.03 - 2020.05
Core Member   *Shanghai, China*

- **Project Introduction:** In order to help control the Covid-19 epidemic, this contest is held by *Beijing Bureau of economy and information technology* and *CCF Committee of Experts in Big Data*. Our team participated in problem *Sentiment Analysis of Netizens During Epidemic.* During the contest, our team constructed several models based on BERT, Roberta, XLNET and ERNIE, connecting them to downstream architectures like TextCNN, GRU and WordAvg. Finally, our team ranked 10th in all 2048 teams.

- **My Work:** I mainly took part in model constructing process and training optimizing process. I designed three models, which are *TextCNN combined with WordAvg*, *GRU with bert-pooler shortcut* and a creative model I myself proposed named *TextCNN with Mask* for Chinese text optimization. In training optimization process, I used *Adversarial Training, Pseudo-Label and Label-Smoothing* method to optimize the training process.

Undergraduate Student Summer Research   2019.07 - 2019.09
Core Member   *Shanghai*

- **Projecct Introduction:** Using the mutex lock mechanism of MongoDB and the multi-thread, multi-processing mechanism of Python, I constructed **a distributed crawler system** with Producer-Consumer framework. In three months, our team obtained over 40,000,000 Legal Judgement data, which helped the downstream tasks of analyzing the relation of government governance and financial market.

- **My Work:** Construct distributed crwaler system to mine data from *China Legal Jugement Site.*

LEADERSHIP EXPERIENCE

SEIEE Volunteer Team   2018.12 - 2019.12
Vice Minister Publicity Department   *Shanghai, China*

- I served as **vice minister of Publicity Department** in SEIEE Vonlunteer Team and was in charge of the propaganda work of volunteer activities. In April, 2019 and November, 2019, I, as the director, led the members in my department to make the propaganda film of Shanghai International Marathon Volunteer activity. The film was well recognized by the society and teachers.

Shanghai International Marathon Volunteer   2018.11
Team Leader

- I was chosen to be the team leader of international student volunteers in Shanghai International Marathon Volunteer activity due to **my good master of English**. I successfully led them to accomplish the work.

Activity Vonlunteer   2017.09 - Present

- From 2018 to now, I have participated in many volunteer activities, such as Shanghai International Marathon Volunteer, QiYin School for Deafmutes Volunteer, Volunteer for the "Study Experience Sharing" activity in Affiliated High School of SJTU, Volunteer for the 123th Anniversary of SJTU, etc.

SKILLS & CERTIFICATES

- Technical Skills: Python , Pytorch , C++ , Photoshop , Premiere Pro
- Languages: English (Toefl: 100, CET-6: 615, CET-4: 687) , Japanese (N3) , Mandarin (Mother Tongue)
- Interests: Deep Learning , Data Mining , Photograph , Video Making