Citong, Que

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Beijing University of Posts and Telecommunications

EDUCATION

Beijing University of Posts and Telecommunications Beijing, China
Telecommunications engineering with management, International School 2018 – 2022

- GPA: 3.7/4.00 (rank top 9%)
- Major courses: Data Structure, Database Technology and Application, C Programming, Introductory Java Programming, Multimedia Fundamentals, Internet Protocol, Web Search Technology, Software engineering

RESEARCH EXPERIENCE

Intelligent data management laboratory, Beijing University of Posts and Telecommunications Beijing, China
Project: Classifying natural disaster data on social media through deep learning 2020.6 – 2021.3

- At present, there is a lot of junk information about natural disasters (news reports, user comments, etc.) on social media. We need to classify the information about natural disasters, present the useful information to users through the web, and keep updating it.
- Analyzed the data crawled from social media and design labeling functions for the data;
- Trained a labeling model to handle large amounts of data with Snorkel framework and former labeling functions;
- Built a TextCNN deep learning model with Tenserflow and adjusted the parameters to optimize the model;
- Deployed the model to the remote server of the project to make it work in the real situation.
- The accuracy of the model on the test data set is 87.1%, and the F1 value is 86.7%;
- Compare with the model without preprocessing by Snorkel, it is improved by about 1%;
- After the model is deployed to the remote system, the accuracy of the classification results is more than 90%.

Institute of network science and cyberspace, Tsinghua University Beijing, China
Project: A new network Intrusion detection model based on unsupervised learning 2020.4 – present

- Extract temporal and spatial features of network packets in preprocessing;
- Use regularized autoencoders (AEs) to force normal data into a very tight area centered at the origin, which is separated from anomalies far away from the normal region.
- Classify anomalies and normal data based on their different space locations.

PROGRAM EXPERIENCE

C programming design (Interterm) Beijing, China
2019.8 – 2019.9

- Used C programming to realize an analog call service platform;
- The functions included administrator login, call options, package purchase, charge recharge, call record query, consumption and purchase query, etc.

COMMUNITY ACTIVITIES

Mathematics club Beijing, China
2018.10 – 2020.6

- Held several speeches about subjects relevant to mathematics to help students prepare for the final exam;
- Held some community activities and discussions in our own group, which gave us a chance to learn from each other;
- Being ranked as one of “top 10 communities on campus” in 2019.

BASIC SKILLS

- Proficient with C, java, python programming languages.
- Familiar with NLP and deep learning theory (based on Tensorflow).
- Familiar with HTML, CSS, JavaScript and web development.
- Good at English paper writing and reading. TOFEL test: 95(23); GRE test: 323+3.5.
- Have a good leadership in the group work.