Zhou Shijie

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EDUCATION

Beijing University of Posts and Telecommunications   09/2016-06/2020

- **School:** School of Information and Communication Engineering
- **Major:** Information Engineering-Artificial Intelligence
- **Degree:** Bachelor of Engineering
- **GPA:** 87/100
- **IELTS:** 7.0 (Listening: 8.0, Reading: 7.5, writing: 6.0, speaking: 6.0)
- **Core Modules：** Deep Learning, Pattern Recognition, Digital Image Processing, Java Programming, Advanced Labs in Intelligent Information Processing, Database Technology and Application, Data Structures, Programming Practices, Research Project Based on Multimedia Retrieval Platform, Models and Algorithms for Social Network Analysis

ACADEMIC EXPERIENCES

- 2018.02.06-02.09   **(ICM)Interdisciplinary Contest in Modeling**
  Advisor: Yu Wensheng   Role: Team Leader
  - ✧ Coordinated affairs for the team and in charge of searching literature
  - ✧ Established a distribution model of charging stations for Tesla electric vehicle
  - ✧ Successfully submitted an English paper over 10,000 words
- 2018.03-2018.05   **C++/Java Programming Practices**
  Advisor: Li Yonghua   Role: Team Leader
  - ✧ Realized the infrared remote control of arduino balanced car, automatic tracking and other functions by use of C++
  - ✧ Purchased a variety of sensors, infrared remote controls and basic components of the vehicle and made a dual-wheel balanced car
  - ✧ Wrote a simple APP of the remote control of balance car
- 2018.11-2019.01   **Research Project Based on Multimedia Retrieval Platform**
  Advisor: Chen Guang   Role: Team Leader
  - ✧ Built an intelligent search engine by use of Python
  - ✧ Obtained commodity information (price, sales volume, etc.) from websites like Jingdong by use of web crawler, and stored the data in the database by use of SQL(Structured Query Language)
  - ✧ Wrote an interactive APP and User Interface in Android Studio by Java
- 2019.06-2019.07 **Advanced Labs in Intelligent Information Processing**
  Advisor: Zhang Bin   Role: Team Leader
  - ✧ Used crawlers to obtain and store news content, page views and other information from Sina news and Toutiao by use of Python and SQL
  - ✧ Used Python to realize UserCF and ItemCF(User/Item Collaboration Filter)
  - ✧ Wrote an APP that can intelligently recommend news according to users' preferences

ACTIVITY EXPERIENCES

- Participated in the contest of the volunteers selection for the 41th ACM-ICPC(ACM International Collegiate Programming Contest) and successfully became a logistics volunteer
- Volunteered to provide service for the GMIC(Global Mobile Internet Conference) and learned the recent technological knowledge
- In charge of distributing energy drinks and water to those who participated in the Beijing Marathon as a volunteer and in charge of awarding the medals and prizes
- Supported education in Bo Zhi Elementary School as a Chinese teacher

➤ Provided service for the tourists in Beijing Planetarium as a long-term volunteer

INTERNSHIP &PRACTICE EXPERIENCE

➤ **2018.12-2019.03　Internship in Pattern Recognition lab**

　Advisor: Zhang Honggang

　✧ Accomplished the deep learning practice program by use of pytorch and tensorflow
　✧ Completed a project concerning image retrieval based on sketch with senior schoolmates

➤ **2019.03.10-2019.04.14　Datang Telecom Technology Co., Ltd**

　✧ Received professional training on company regulations, basic working skills and so forth
　✧ Learned LTE architecture and instrument operation

➤ 2019.04-2019.06　**Deep Learning**

　Advisor: Zhu Chuang

　✧ Obtained open-source data and resources from websites by use of web crawler
　✧ Used CNN(Convolutional Neural Network) to recognize handwritten digits and complete image classification
　✧ Used LSTM(Long Short-Term Memory) to realize the function of generating text description from images and translation
　✧ Used GAN (Generative Adversarial Nets) to complete the handwritten digits and face image generation

AWARDS

➤ 2017.12　Awarded Excellent Student Leader(university level)
➤ 2017.12　Won the first prize of the Excellent Student Award for psychological education(university level)
➤ 2017.12　Won the second prize of the university scholarship(university level)
➤ 2018.05　Awarded the Excellent League Member of the Communist Youth League(university level)
➤ 2018.12　Won the second prize of the university scholarship(university level)
➤ 2019.05　Awarded the Excellent League Member of the Communist Youth League(university level)
➤ 2019.09　Won the second prize of the university scholarship(university level)
➤ 2019.09　Advanced Individual of Cultural and sports activities(university level)

SKILLS

C++, java, python, SQL programming, good command of office software and pretty good at various neural network algorithm in deep learning such as BP, CNN, RNN, LSTM, GAN

HOBBIES

Singing, playing guitar and piano, basketball