

Ziyu Zong

Communication University of China, Chaoyang District, Beijing City, 100024, P.R.China

Phone: (+86) 18833981536 | Email: ziyuzong@cuc.edu.cn

EDUCATION

School of Computer Science and Cybersecurity, Communication University of China Sep 2017 - Present

- Bachelor in Computer Science and Technology (Big Data Technology and Application scheme)
- Major GPA: 88/100 (3.73/4);
- Core course: Mathematics (3.93/4); Linear Algebra (3.91/4); Probability & Statistics (3.91/4); Data Analysis (3.94/4); Data Visualization (3.91/4); Python (3.93/4); Image Processing (3.85/4); Machine Learning (3.85/4); Distributed System(3.88/4);
- Awards: Recipient of the China Central Television Scholarship (top 3% of student university-wide in 2018);
American College Students Mathematical Modeling Competition (MCN/ICM), Meritorious Winner;
3rd Hebei Collegiate Programming Contest (HBCPC), Silver Medal;
6th Communication University of China Programming Contest, Gold Medal

RESEARCH EXPERIENCE

Business School, The Chinese University of Hong Kong (CUHK) Dec 2019 - Present

Research Intern; Advisor: Jing Wu, Assistant Professor

- Data analytics of financial data for loans granting using Logistic Regression, Decision Tree, Multi-Layer Perceptron, XGBoost models implemented using Python
- Solved class-imbalance through K-Means clustering dimension reduction and got good accuracy and precision

International Collegiate Programming Contest (ICPC) Sep 2018 - Present

Team Leader; Advisor: Lifang Yang, Associated Professor; Sponsor: Association for Computing Machinery

- Implemented algorithms related to Graph Theory, Number Theory, Game Theory, Dynamic Programming in C/C++
- Design training plan for the class according to the progress of the competition
- Trained at school during the summer vacations of 2018 and 2019
- Won a Silver Medal in 3rd Hebei Collegiate Programming Contest (HBCPC)

Mathematical Contest in Modeling / Interdisciplinary Contest in Modeling Jan - Feb 2019

Contestants; Advisor: Qingmiao Jiang, Associate Professor; Sponsor: Consortium for Mathematics and Its Application (COMAP)

- Designed a model of Transportable Disaster Response System in three days.
- Obtained route data in map through image processing using binarization; Located the target location; Obtained the shortest path by Ant Colony Optimization.
- Plotted steps of the algorithm on the map, analyzed visualization results like proposed routes
- Won the Meritorious Winner in American College Students Mathematical Modeling Competition (MCN/ICM)

EXTRACURRICULAR ACTIVITIES

Secretary, Student Union of Faculty of Engineering May 2018

- Organized and led a company visit to Baidu for 20 students
- Visited around Baidu HQ by pilotless car and learned about artificial intelligence and algorithm used in industry

Network Manager, China Collegiate Programming Contest Nov 2019

- Configured the network environment for 150 machines for the Final of China Collegiate Programming Contest
- Led technical volunteers to configure each computer for contestants and solved questions raised by contestants

SKILLS

Language Proficiency: Mandarin (Native); English (Fluent);

Programming Languages: C/C++ (>50k lines); Python (Competent); R (Competent); Linux; HTML; JavaScript; MATLAB;

Others: Git (Competent); SPSS; Data Structure and Algorithm (Skilled in); Excel (Master);