

# Chuan-yu Xue

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## EDUCATION

### Qingdao University

Jul 2016 - Sep 2020

B.E. College of Computer Science & Technology

Qingdao

- GPA: 3.36 / 4.0 (Average Degree Score: 84.33) (Average Majoring Score : 86.77) (Rank 21/104)
- English: CET-4: 548, CET-6: 520, IELTS: 6.5
- Awards: 1st Scholarship of Qingdao University once and 2nd Scholarship four times
- Honors: Excellent student of Qingdao University, Outstanding student leader of Qingdao University

## SKILLS

- **Python:** Familiar with Python(CCF-CSP certificated Top 7%) and scientific computing libraries such as NumPy and Sklearn.
- **C++** Understand C++ application development and object-oriented programming.
- **Algorithms:** Understand basic data structures; understand some machine learning algorithms.

## PROJECT EXPERIENCE

### Data mining

Aug 2017 - Present

- Participated in the "CIKM 2019 EComm AI - Efficient and Novel Item Retrieval for Large-scale Online Shopping Recommendation" and successfully entered the semi-finals, the ranking of the semi-finals is 2/1004.
- Participated in the "National College Green Computing Contest-19 (Project Challenge)", responsible for solving machine learning problems and successfully entering the semi-finals, the final ranking is 1/1155.
- Participated in the "National College Green Computing Contest-18 (Project Challenge)", responsible for solving machine learning problems and successfully entering the semi-finals, the final ranking is 3/900.
- Participated in the "IJCAI-18 Alimama Sponsored Search Conversion Rate(CVR) Prediction Contest" and successfully entered the semi-finals, the ranking of the semi-finals is 109/5204.
- Participated in the "Tianchi Artificial Intelligence-Assisted Diabetes Genetic Risk PredictionContest" and successfully entered the semi-finals, the ranking of the semi-finals is 16/2522.
- Participated in the "CCF-BDCI Location of users in the mall prediction contest" and successfully entered the semi-finals, the final ranking of the semi-finals is 65/2845.
- Participated in the "Tianchi Intelligent Traffic Prediction Contest" and successfully entered the semi-finals, the ranking of the semi-finals is 28/1761.
- Invited to make the online course titled "The Purchase and Redemption Forecast Challenge" on Alibaba Tianchi platform.

### Computer vision

Oct 2017 - Apr 2018

- Using the OpenCV library, a "Kinect camera based bus passenger counting system" was improved, which reduced the misjudgment of the system on non-personnel objects and improved the accuracy. This project won the second prize of Shandong Science & Technology Innovation Competition.
- Based on the Microsoft Azure platform, an "Intelligent child monitoring and protection system" was independently developed to analyze children's emotional changes and dangerous behaviors in real time, which won the Silver Award of 2018 Qingdao University President Cup and the third prize of Microsoft Innovation Cup of Shandong Province.

## RESEARCH EXPERIENCE

### Articles

Feb 2018 - Aug 2019

- **Chuan-yu Xue**, Shun-yao Wu, Qi Zhang, Feng-jing Shao, An Incremental Group-Specific Framework based on Community Detection for Cold Start Recommendation, IEEE Access, Volume 7, 2019, 112363-112374.
- Shun-yao Wu, Qi Zhang, **Chuan-yu Xue**, Xi-yang Liao, Cold-start link prediction in multi-relational networks based on network dependence analysis, Physica A: Statistical Mechanics and its Applications, 515, 558-565.
- Mei Wu, Shun-yao Wu, Qi Zhang, **Chuan-yu Xue**, Feng-jing Shao, Enhancing link prediction via network reconstruction, Physica A: Statistical Mechanics and its Applications, Volume 534, 2019, 122346

### Talks

Feb 2018 - Nov 2018

- "Bipartite community detection for group-specific recommender system", Chinese Conference on Complex Networks, Chongqing, China

## AWARDS

- Outstanding Winner of Chinese Green Computing Competition(CCF-OpenGCC) 2018
- Honorable Award of The Mathematical Contest in Modeling (MCM) 2018
- Third Prize of China National Computer Application Skills Competition 2018
- Third Prize of Microsoft Imagine Cup Shandong Province 2018
- Second Prize of Province Science and Technology Innovation Competition 2017