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EDUCATION

Washington University in Saint Louis, Missouri.

B.S. in Computer Science. GPA: 3.94/4.0, Summa Cum Laude.

PhD in Computer Science, Expected Graduation: May 2025. GPA: 4.0/4.0

St. Louis, MO

Aug. 2018 – May 2020

Sep. 2020 – Present

Summer Scholars Program at Saint Louis University.

Program of Study: Geographic Information System.

St. Louis, MO

July 2017 – Aug. 2017

Nanjing University of Information Science & Technology, Nanjing, Jiangsu, China.

B.S. in Atmospheric Science.

School of Honors Rank 1/44.

Nanjing, Jiangsu, China

Sep. 2016 – June 2018

RESEARCH EXPERIENCES

Real-Time Edge Classification for Temporal Correlated Input

Washington University in St. Louis Mentor: Professor Roch Guerin,
Chenyang Lu, Ayan Chakrabarti

- Applied a Deep Q-Network (DQN) model to make optimal offloading decisions for correlated input.
- Extensively evaluated the performance of the DQN model on the ImageNet benchmark.
- Did preliminary works to extend the model to a distributed system with multiple local devices.
- Working towards evaluating the model on object detection tasks with traffic camera applications.

Lowering Inter-Datacenter Network Bandwidth under Latency Constraints

Washington University in St. Louis Mentor: Professor Roch Guerin.

St. Louis, MO

Nov. 2020 – Present

- Participated in works that aim to lower total link bandwidth given end-to-end flow deadline budgets for the single-hop scenario with different scheduling policies.
- Performed preliminary evaluations on simple network topologies for several ideas that attempt to extend the work to the multi-hop scenario.

Hydrological responses to vegetation recovery based on water-energy coupled method in the Poyang Lake Basin.

Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences.

Mentor: Associate Professor Dan Zhang.

Nanjing, Jiangsu, China

Mar. 2017 – Feb. 2018

- Collected and analyzed meteorological and hydrological data to couple with hydrological model.
- Programmed a model to calculate potential evapotranspiration based on Penman formula (WMO Schema).
- Co-authored journal publication.

TEACHING & LEADERSHIP EXPERENCES

Washington University in St. Louis

St. Louis, MO

Teaching Assistant CSE 347 (Analysis of Algorithm)

Sep. 2019 – Present

- Graded weekly assignments and exams.
- Held 1.5 weekly office hours to help around 5 students with course materials, algorithm designing techniques and answer questions about homework.

Advisor of Mathematical Contest in Modeling

Jan. 2019 – May

Nanjing University of Information Science & Technology.

Nanjing, Jiangsu, China

Student in charge of studies for 2020 ChangWang class.

Feb. 2017 – June 2018

- Took attendance and helped with homework sending and receiving.
- Answered questions about all courses materials and exam preparation for the rest of the class (43 students).

AWARDS AND HONORS

Washington University in St. Louis.

St. Louis, MO

- Dean's Select PhD Fellowship
- Dean's List

2020

Aug. 2018 – Dec. 2019

Nanjing University of Information Science & Technology.

Nanjing, Jiangsu, China

- Awarded Second Prize for the 10th Knowledge Competition for College Students in Jiangsu Province. 2018
- Awarded Third Prize for Beidou-Cup China Adolescents Science & Technology Invention Contest. 2018
- Special Ability Certificate for high knowledge level of humanities and social sciences. 2018
- Honorary Student Certificate for Changwang School of honors. 2018
- Awarded First Prize in the 14th Advanced Mathematics Competition for Jiangsu Provincial College Students (Undergraduate First Class Group). 2017
- Awarded Second Prize in the 9th National College Mathematics Competitions, Jiangsu Division. 2017
- Awarded Second Prize in the 15th National Competition of Extracurricular Academic Technological Product in Jiangsu Province. 2017
- Awarded Special Prize in the 15th Competition of Extracurricular Academic Technological Product in Campus Trials. 2017
- Awarded Third Prize for Band C in 2017 National English Competition for College Students. 2017
- Awarded Third Prize in the Preliminary Round of 2017 "FLTRP Cup" English Reading Contest. 2017
- Awarded Silver Medal for the 3rd Internet Plus College Innovation and Entrepreneurship Competition in Nanjing University of Information Science & Technology. 2017
- Certificate of Level 2, National Computer Rank Examination. 2017
- Awarded First Prize Scholarship. 2016-2017
- Pacemaker to Merit Student. 2016-2017

- Excellent Student Cadre. 2016-2017
- Keynote Speaker of Undergraduate Meeting for Learning Experience Exchange. 2017
- Speaker as Freshman Representative in Opening Ceremony for freshmen. 2016

GRANT SUPPORT

NSF REU - Big Data Analytics.

St. Louis, MO, 2019

PUBLICAITONS

Dan Zhang, Qi Zhang, **Jiaming Qiu**, Peng Bai, Kang Liang, Xianghu Li, 2018. Intensification of hydrological drought due to human activity in the middle reaches of the Yangtze River, China. *Science of the Total Environment*, (637–638), 1432–1442.

ACTIVITES

- Math Modeling. 2017
- Chorus Contest. 2016
- Blood Donation. 2016
- Drama Performing. 2016
- University's badminton Club. 2016
- Volunteer for World Meteorological Day. 2015
- Youth Olympic volunteer. 2014
- Volunteer for Gulou District Library of Nanjing, China. 2014
- School's Astronomy Club. 2013