ZHI LI

+1 405 534-7977 ⋄ chrimerss@gmail.com ⋄ https://chrimerss.github.io/homepage

120 David L Boren Blvd, Norman, OK 73072

EDUCATION

University of Oklahoma (OU)
Aug. 2019 — Ongoing

Ph.D. candidate in Civil & Environmental Science
Hydrometeorology and Remote Sensing Laboratory
Specification in remote sensing precipitation retrieval and hydrologic evaluations.

National University of Singapore (NUS)
Aug. 2017 — Jan. 2019

M.Sc in Civil & Environmental Engineering
Major in Hydraulic Engineering & Water Resources Management
Overall GPA: 4.68/5.0

Technical University of Delft (TUD)
Feb. 2018 — Jul. 2018

Exchange in Civil Engineering & Geosciences
Major in Water Resources Management
Overall GPA: 8.43/10.0

Hohai University
Sep. 2013 — Jul. 2017

B.Eng in Water Conservance & Hydropower Engineering
Overall GPA: 4.48/5.0
Average Score: 86.1

WORKING EXPERIENCE

Teaching Assistant, *CEES5020-992 Fundamental Hydrology*	*May. 2020 — Aug. 2020*
Teaching Assistant, *CEES5020-997 Quantitative Hydrometeorology*	*Jan. 2020 — May 2020*
Teaching Assistant, *CEES2113 Statics*	*Aug. 2019 — Jan. 2020*
Data Scientist, *Hydroinformatics Institute*	*Jan. 2019 — July. 2019*

PROJECTS

• twenty-year IMERG data evaluation: similarities, differences	*Aug. 2019 — Ongoing*
• Cross-examination of Uncertainties in Extreme Precipitation Events using Multiplicative Triple Collocation	*Aug. 2019 — Ongoing*
• Radar Rainfall Monitoring and Nowcasting System For Urban Flood Management in Singapore, Data Scientist, *Hydroinformatics Institute*	*Jan. 2019 — Ongoing*
• Radar Rainfall Monitoring and Nowcasting System For Urban Flood Management in Singapore, Data Scientist, *Hydroinformatics Institute*	*Jan. 2019 — Ongoing*
• CCTV Rainfall Camera, Data Scientist, *Hydroinformatics Institute*	*Feb. 2019 — Ongoing*
• Outdoor Thermal Comfort in Urban Spaces in Singapore, Research Asistant, *National University of Singapore*	*Aug. 2018 — Nov. 2018*
• Genetic Programming in Hydrology, Master Thesis, *National University of Singapore*	*Aug. 2018 — Nov. 2018*
• Arch Dam Design, Bachelor Thesis, *Hohai University*	*Feb. 2017 — Jul. 2017*

PUBLICATIONS

- Li, Z.; Chen, M.; Gao, S.; Hong, Z.; Tang, G.; Wen, Y.; Gourley, J.J.; Hong, Y. Cross-Examination of Similarity, Difference and Deficiency of Gauge, Radar and Satellite Precipitation Measuring Uncertainties for Extreme Events Using Conventional Metrics and Multiplicative Triple Collocation. Remote Sens. 2020, 12, 1258.

- Bibliometric Analysis of Research on Fish Metal from 1997 to 2016, Co-author, Natural Hazards.

- Investigation and Thoughts on Accurate Solutions to Drinking Water Safety Issues of Poor Rural Areas of Qianjiang District, First Author, Energy Economy (ISSN 1672-0351)

- An Analysis of the Vibration Performance of Underground Powerhouse of a Certain Pumped Storage Power Station, First Author, Energy Economy (ISSN 1672-0351)

TECHNICAL STRENGTHS

Programming Languages	Python (Proficient), QGIS (Proficient), Matlab, R, Fortran
Skills	Machine Learning, Geospatial Data Processing, Remote Sensing, Computer Vision, Web Development, LaTeX
Hydologic models	SUPERFLEX, HBV, FLEX-TOPO etc.
Artificial Intelligience	ANN, RNN, CNN, SVM, RF, etc.

CERTIFICATIONS

- Graduate Colleage Hoving Fellowship
- Teaching Assistant at university of Oklahoma
- Research Assistant at university of Oklahoma
- Academic Scholarship at Hohai University
- Social Work Scholarship at Hohai University
- Spiritual and Cultural Scholorship at Hohai University
- Excellent Student Leader Award at Hohai University
- The Third Prize in the Video Production Competition at Hohai University
- The Third Prize and The Best Appealing Award at the Dam Design Competition
- Excellent Volunteer Award of the 2014 Nanjing Youth Olmpic games

LANGUAGE

Chinese	Excellent
English	Good