

# ZHI LI

+65 8455 8493 ◊ chrimerss@gmail.com ◊ <https://chrimerss.github.io/homepage>

253C Parc Imperial, Pasar Panjang Road, 117425, Singapore

## EDUCATION

---

### 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

---

Data Scientist, *Hydroinformatics Institute*

*Jan. 2019 — Ongoing*

## PROJECTS

---

• 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*

• Outdorr 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

---

• 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)

• Bibliometric Analysis of Research on Fish Metal from 1997 to 2016, Co-author, *Natural Hazards* (under review)

## TECHNICAL STRENGTHS

---

<b>Programming Languages</b>	Python (Proficient), QGIS(Proficient), Matlab , R, Fortran
<b>Skills</b>	Machine Learning, Geospatial Data Processing, Remote Sensing, Computer Vision, Web Development, LatTeX
<b>Hydologic models</b>	SUPERFLEX, HBV, FLEX-TOPO etc.
<b>Artificial Intelligence</b>	ANN, RNN, CNN, Classification

## CERTIFICATIONS

---

- 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

---

<b>Chinese</b>	Excellent
<b>English</b>	Good