

Resumes

Junfei Xia

Research Assistant, Master of Science in Ocean Engineering

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Education

- 08/2017-12/2018 **MS in Ocean Engineering, University of Miami**
GPA: 3.42/4.00
- 09/2013-06/2017 **Bachelor's Degree in Oceanographic Science, Nanjing University (NJU)**
GPA: 4.16/5.00 (Major GPA: 86/100)

Research Experiences

- 12/2017-now **Research Assistant**, research about oil spill, in BEACHES program
Advisor: Solo-Gabriele, Helena M (Prof., UM)
 - ※ Be responsible for the oil transportation problems
 - ※ A paper is submitted to Environmental Pollution, under review
- 08/2017-12/2018 **Member**, doing research in SUSTAIN LAB, RSMAS, University of Miami
Advisor: Haus, Brian K. (Prof., RSMAS, UM)
 - ※ Experiments about shoaling effect and air-sea interaction
- 11/2015-03/2017 **Principal**, Studies on sand ridges along Jiangsu Plain Coast
Advisor: Zhang Yongzhan (Associate Prof., NJU)
 - ※ Awarded as **National Students' Training Program** for Innovation and Entrepreneurship
 - ※ Arranged two field trips to the Abandoned Yellow River Delta in Jiangsu Plain
- 07/2015-08/2015 **Core Member**, Habitat Survey on Red-crowned Crane National Natural Conservation Area
Advisor: Zuo Ping (Associate Prof., NJU)
 - ※ Won **Second Prize Scholarship** offered by Academy of Environmental Planning & Design Co., Ltd., NJU

Publication

- **Junfei Xia**, Wei Zhang, Alesia C. Ferguson, Kristina D. Mena, Tamay M. Özgökmen, Helena M. Solo-Gabriele, Use of chemical concentration changes in coastal sediments to compute oil exposure dates, Environmental Pollution, Volume 259, 2020, 113858, ISSN 0269-7491

Field Practice

- 07/2016 **Core Member**, Marine Organism and Zoology Field Practice in the Yangtze Estuary and Northern part of the East China Sea
 - ※ Went to East China sea for about a month and studied the use of ADCP, CTD and several other instruments
- 04/2016 **Team Leader**, Field Trip to Southern Jiangsu Plain Coast along the South Yellow Sea
Advisor: Ge Chendong (Prof., Director of Department of Coastal Ocean Sciences, NJU)
 - ※ Studied the urban planning and ecosystem in the coast areas
- 07/2014-08/2014 **Core Member**, Field Survey along the Jiangsu Plain Coast
Advisor: Zhang Yongzhan (Associate Prof., NJU)
 - ※ Studied morphodynamical processes based on river-sea interactions along the Jiangsu Plain Coast

Professional Skills

- Observation tech: Proficient in Wind Rose, Theodolite, Level Gauge, Electronic Total Station, Laser Range Finder, Laser Particle Analyzer, GPS-RTK, ADCP, CTD, etc.
- Software: Proficient in Arc GIS, ENVI
- Programming: Proficient in C, C++, MATLAB, good at Python