

# Yangwei Yan

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EDUCATION	<b>Columbia University</b> – New York, USA <b>M.S. in Biostatistics</b>	September 2017 - Present
	<b>Fudan University</b> - Shanghai, China <b>M.S. in Environmental Science and Engineering</b>	September 2011 - June 2015 GPA:3.5/4.0
	<b>Fudan University</b> - Shanghai, China <b>B.S. in Environmental Science and Engineering</b>	September 2007 - June 2011 GPA:3.4/4.0
RESEARCH EXPERIENCE	<b>Children's Hospital</b> , Shanghai, China <i>Internship</i>	January 2016 - October 2016 <ul style="list-style-type: none"><li>• Collaborated with doctors to collect and organize patient health medical data</li></ul>
	<b>Laboratory of water pollution, Fudan</b> , Shanghai, China <i>Research Assistant</i>	September 2011 - June 2015 <ul style="list-style-type: none"><li>• Designed and conducted the experiment on the effects of different nitrogen forms on the production of Microcystin-LR based on isotope tracer (<sup>15</sup>N) by using ANOVA</li><li>• Designed an optimal growing conditions for Microcystins by fitting a polynomial model</li><li>• Participated in a microbiome project to process next generation sequencing data</li><li>• Assisted to draft the grant proposal for the National Science Foundation of China (No. 51008083)</li><li>• Drafted and published two papers in peer-reviewed journals</li></ul>
	<b>Undergraduate research program, Fudan</b> , Shanghai, China <i>Project Leader</i>	March 2009 - March 2011 <ul style="list-style-type: none"><li>• Led an undergraduate team to complete the project "Effects of heavy metals on activated sludge".</li><li>• Design the experiment, and analyzed experiment data</li><li>• Draft and published three papers in peer-reviewed journals</li></ul>
SELECT SKILLS & QUANTIFI- CATIONS	<ul style="list-style-type: none"><li>• Coursera certification: "<i>Specialization: Statistics with R</i>"</li><li>• Proficient in statistical programming including R and SAS</li><li>• Familiar with probabilistic model and machine learning</li><li>• Scientific experiment design and journal paper drafting</li><li>• Passed Level I of the Chartered Financial Analyst (CFA) examination</li></ul>	

## ADDITIONAL WORK EXPERIENCE

**17<sup>th</sup> Elite Program of Fudan University**, Shanghai, China      September 2011 - June 2015  
*Counsellor for undergraduates*

- Acted as a counsellor of a class with 80 undergraduates by doing a variety of tasks including: providing psychological counseling; coaching and disciplining students; implementing communication systems between students and university

**Intel Corporation**, Shanghai, China      June 2014 - December 2014  
*SSD Marketing Intern*

- Analyzed data of testing samples usage to improve inventory management

**Eaton Corporation**, Shanghai, China      September 2013 - December 2013  
*Sales Admin Intern*

- Assisted manager to consolidate sales data and performance, completed monthly report and rolling forecast for segment.

## LEADERSHIP, ACTIVITIES & HONORS

**Student Union of Tengfei College in Fudan Univ.** - President (2011 - 2012)  
**Student Union of EST Department in Fudan Univ.** - Vice President (2009 - 2011)  
**Hongkong Youth Summit** - Student Representative (2010)

- Selected as a representative for Fudan Univ. and discussed about "Environmental Sustainability" with student representatives from Hongkong, Macao and Mainland China.

**Outstanding Graduate Award of Shanghai** (2015)

- Awarded for leadership, academics, and mentoring

**The 1st prize of academic scholarship** (2013, 2014)

- Awarded for academics

**LORD scholarship** (2012)

- Awarded for research and academics

**DUPONT scholarship** (2010)

- Awarded for research and academics

## PUBLICATIONS

**YangWei Yan**, RuiHua Dai, Yan Liu, JiaYi Gao, XuanHao Wu. Comparative effects of inorganic and organic Nitrogen on the growth and microcystin production of *Microcystis aeruginosa*. *World J Microbiol Biotechnol*, 2015.03.

**YangWei Yan**, YuWen Wang, Yan Liu, Xiang Liu, ChenChao Yao, LuMing Ma. Effect of continuously dosing Cu(II) on pollutant removal and soluble microbial products in a sequencing batch reactor. *Water Science and Technology*, 2015, 72(9): 1653-1661.

Xuanhao Wu, **Yangwei Yan**, Pinfei Wang, Lanqi Ni, Jiayi Gao, Ruihua Dai. Effect of urea on growth and microcystins production of *Microcystis aeruginosa*. *Bioresource Technology*, 2015, 181:72-77.

Ruihua Dai, Chenchao Yao, Xiang Liu, Yan Liu, **Yangwei Yan**, Yuwen Wang. The comparison of the effect of continuous exposure and shock dosage of Cu (II) on pollutants removal of activated sludge. *Desalination and water treatment*, 2016, 57(13): 5842-5850.

Jingchao Han, Yan Liu, Xiang Liu, Yi Zhang, **Yangwei Yan**, Ruihua Dai, Xiaosong Zha, Chengshan Wang. The effect of continuous Zn (II) exposure on the organic degradation capability and soluble microbial products (SMP) of activated sludge. *Journal of Hazardous Materials*, 2013, 244-245: 489-494.