

Yun Luo, EIT

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Education

Master of Science, University of Colorado Boulder, USA

August 2018 - May 2021

Major: **Environmental Engineering**, Cumulative GPA: 3.84/4.00

Bachelor of Engineering, Hefei University of Technology, China

September 2014 - June 2018

Major: **Environmental Engineering**

The Second Prize Scholarship (Top 10%, 2017), The Third Prize Scholarship (Top 15%, 2016)

Professional Experience

iSpring Water Systems, LLC

August 2021 - present

Product Engineer

- Developed new water filtration systems and products
- Provided technical support for the team, including wrote user manual, run lab testing, gave solutions for the marketing and customer service teams, etc.
- Coordinating with the manufactory people and marketing team to produce great products

University of Colorado Boulder

Research Assistant

August 2020 - August 2021

- Developed several methods for airborne surfactant analysis, including the use of polycarbonate filter, aerosol collecting instruments, and bioaerosol chamber
- Used different organic solvents for cationic, anionic, and nonionic surfactant, and mixed them with other chemicals in the separatory funnels for further experiments
- Operated Cary 100 & 4000 Spectrophotometer and Biospot aerosol collector for surfactant analysis; and muffle furnace and autoclave for glassware cleaning and sterilizing
- Performed record-keeping weekly data updates, and used Excel to analyze data from thirty-five elementary schools
- Communicated with technicians to make sure data is updated in time and gave feedback to the PI

Teaching Assistant

January 2020 - May 2020

- Coordinated with students and professor to make the course smoothly
- Answered questions regarding to the course, and graded homework and exams

Hefei University of Technology, Hefei, China

May 2016 - May 2018

Project Manager

- Sampled polluted water with blue algae, shipped them back to the laboratory and tested basic water properties
- Extracted protein from blue algae in polluted water by freezing and thawing, and measured it with spectrophotometer
- Wrote daily reports about experiment procedures such as data, calculations, temperature, chemicals and instruments
- Made a general framework of each project and completed the cycle of projects in target completion date
- Successfully led a productive team of four maintaining communications and increasing productivity among team members

Zhejiang Province Easy Test Environmental Technology Company, Ningbo, China

March 2018 - May 2018

Water Quality Tester Intern

- Tested general properties in industrial wastewater, such as PH, ammonia nitrogen, COD, BOD and TP
- Analyzed data and wrote reports using MS Office that were published in more than fifty industries

Zhejiang Province Industrial EP Design and Research Institute Co., Ltd, Ningbo, China

July 2016 - August 2016

Research Intern

- Identified significant industry contributors to water pollution along major rivers in the Jiangbei District through research
- Worked in collaboration with other colleges to write a report on the impact of the surrounding industries to this district
- Proofread the Environmental Impact Statement and handed in the final version to the industries

Publication

Yun Luo, Zi-wan WANG and Mu-fan XI, "Effect of Experimental Condition on Extraction of Phycocyanin in Xuancheng," *Resources Economization and Environmental Protection*, vol 11, 2017.

Technical Skills

Program skills: MS Office (advanced Excel), AutoCAD, BioWin, Aquachem, Matlab, Civil 3D, Python, Rhino
Languages: English (fluent), Chinese (native), Korean (intermediate)

Volunteer

Clean Water Science Network Program– Mentor (October 2021)

Air & Waste Management Association Atmospheric Chemistry Group – Secretary (June 2021)

CU Boulder Graduate Student Mentor Program (2020, 2021)

Engineer Without Border Program in CU Boulder

AIESEC Power Up! Summer Project (Bandung, Indonesia)

Dumb Friends League animal shelter (Denver, CO)