

# Yanni Wang

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## Education

The Pennsylvania State University – University Park Campus

Bachelor of Science      *Major: Biochemistry and Molecular Biology*

- May 2018

Columbia University Mailman School of Public Health

Master of Science      *Major: Biostatistics*

- Present

## Relevant Coursework:

Stochastic Probability

Biostatistical Methods

Data Science

Principles of Epidemiology

Physical Chemistry

Molecular Medicine

Linear Algebra

Financial and Managerial Accounting for Decision Making

## Achievements

- Dean's Scholar Merit Award, Columbia University Mailman School of Public Health

## Experience

### ***Research Associate:***

*Penn State Biophysics Research Lab for Professor John Golbeck*

*August/2017-July/2019*

- Directed the research project about assembling of reaction center I of *Heliobacterium. modesticaldum* in *Rhodobacter. sphaeroides* mutants through several conjugation techniques with cloned *E. coli*.
- Conducted students in studying and manipulating scientific researches.
- Participated in the project of publication as an undergraduate lab student. Publication: Engineered biosynthesis of bacteriochlorophyll gF in rhodobacter sphaeroides. *BBA - Bioenergetics*, 1859(7), 501-509.

### ***Lab Technician Summer Internship:***

*Guizhou National Research Institute of Chemical Engineering, China*

*May/2016 - July/2016*

- Utilized analytic chemistry to test the purity of phosphorite.
- Synthesized high-performance nitrogenous fertilizer.

## Skills:

R (Programming Language)

Python (Programming Language)

Data Analysis

Adobe Software Packages (Photoshop, Audition, etc.)

DNA, RNA purification, sequencing, etc.

Protein purification, spectroscopy, etc.

Conducting Independent Project

Abilities on Collaboration and Communication

Critical Thinking

Training and Leadership