

# XINGLIN (JASON) JIA

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## Summary

Current M.S. student major in Bioinformatics and Biostatistics in SUNY University at Buffalo. Obsessed in the wonder of biology. Interested in finding patterns in biological world and develop computational tools for those.

## Work Experience

### OceanGene

*Bioinformatics Scientists Intern*

**Wuhan, China**

May. 2019 - Present

- Built a genetic disease nsSNP classification ensemble machine learning model to predict pathogenity for Asian community
- Model maintainance and optimization
- Establish WES data analysis/annotation pipeline
- Evaluate and improve current platform for genetic disease varians annotation analysis
- Specific skills: data mining, machine learning

## Research Experience

### Dr. Yijun Sun's Bioinformatics Lab

*Laboratory Assistant*

**Raleigh, NC**

Oct 2018 – Present

- Built a prognostic model for periodontal disease based on oral microbial sequencing data
- Assisst PhD students in data cleanin and result validation work
- Specific skills: data cleaning, machine learning

### Dr. Wei-Chen Chang's Biochemistry Lab

*Laboratory Assistant*

**Buffalo, NY**

May - August 2017

BSL-2 Laboratory

- Large scale protein overexpression and purification
- Bioassay on protein function and purity
- Small scale protein expression analysis
- Specific skills: gene transduction, media making, SDS PAGE and gel making technics
- Paper published: “*Alkene Formation Using Decarboxylation Approach by an Iron(II) and 2-Oxo-glutarate Dependent Enzyme*” on Chemical Science and Angewandte

## Education

### North Carolina State University (NCSU)

B.S. in Microbiology

**Raleigh, NC**

2013 - 2017

- Coursework: microbiology, organic chemistry, immunology, genetics, biochemistry
- Honors: Dean's List

### SUNY University at Buffalo

M.S. in Bioinformatics & Biostatistics

**Buffalo, NY**

2018 - present

- Coursework: bioinformatics, data mining, machine learning, statistical inference, applied statistics, computational statistics

## Leadership Experience

### **NCSU Chinese Student and Scholars Friendship Association (CSSFA)**

*Public Relationship Department & Sports Department member*

2013 - 2016

- Event planning and organizing. Communate with sponsors

### **Office of International Services at NC State**

*Culture to Culture Ambassador*

March 2017 – September 2018

- Help new undergraduate international students before and after their arrivals the U.S.
- Provide fundamental supports to mentees by introducing them to campus life at NC State, making them aware of the academic resources available, and helping them acclimate to life in Raleigh

### **Logic and Potential Club at NC State**

*Assistant Vice President*

May 2016 – September 2018

- Arrange weekly meetings, recruit new club members
- Hold “TriWereWolf Tournament” among NCSU, UNC and Duke University