

# Jiayue Yang

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## EDUCATION

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**Case Western Reserve University** 2021.07 - 2022.12

- Major: Biostatistics in Department of Population and Quantitative Health
- Degree: Master of Science

**Southwest Jiaotong University** 2016.09 - 2021.07

- Major: Bioengineering in School of Life Science and Engineering
- Degree: Bachelor of Engineering

**Georgia State University** 2019.01 - 2021.07

- Major: Biology in College of Arts and Sciences; Minor: International Business
- Degree: Bachelor of Science

## RESEARCH EXPERIENCE

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**Prognostic Factors of Hand Dexterity in Multiple Sclerosis Research**

*Case Western Reserve University, Cleveland, OH* 2022.06 - 2022.08

- Characterized longitudinal patterns in multiple sclerosis for hand function variables, and conducting sex- and race- stratified analyses
- Conducted longitudinal data analyses using data extracted from > 9000 electronic health records
- Used R to process experiment data and created mixed regression models
- Obtained techniques for processing and modeling longitudinal data and improved problem-solving thinking and teamwork capabilities

**Gene Big Data Research**

*Chinese Academy of Sciences, Remote* 2021.12 - 2022.04

- Learned about the gene big data technology and its application in gene data analysis
- Processed experiment data using computer technology and gene analytical techniques including SAS, R and Python, etc
- Attended seminar to learn about the latest research and analyze clinical data
- Published on 2022 2nd International Conference on Medical Imaging Sanitation and Biological Pharmacy Part B, April 2022
- Title: The Influence of ecDNA on HNSC and ESCA

**Enzyme Kinetics Experiment**

*Georgia State University, Atlanta* 2020 spring

- Observed bacterial colony and made curve chart with Excel
- Collected and processed bioinformatics data
- Composed course paper based on the experiment data

## CERTIFICATIONS AND SKILLS

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- SAS Certified Associate: Programming Fundamentals Using SAS 9.4 2021.11
- SAS Certified Specialist: Base Programming Using SAS 9.4 2022.04
- Other Programing Software: R and Python
- Microsoft Office: Work, Excel, PowerPoint, and PowerBI

## ACTIVITIES

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**School of Life Science and Engineering Press Center***New Media Technical Department; Minister***2016.09 - 2018.06**

- Managed and operated new media account for the School of Life Science and Engineering
- Wrote press releases and posted the latest news and current events on our account to deliver information
- Took charge of daily management of the department and instructed members of the press center to maintain media accounts and updated news and events information

**Southwest Jiaotong University Student Union***Public Relations Department; Member***2016.09 - 2017.06**

- Assisted with activity organization and mainly took charge of external liaison
- Got in touch with local companies to look for sponsorship for our activities and helped with our sponsors to carry out promotion activities on campus
- Invited guests both inside and outside the university to attend our activities

**Southwest Jiaotong University Psychological Association***Public Relations Department; Member***2017.09 - 2018.06**

- Organized a series of lectures to publicize the knowledge of mental health
- Assisted mental health counselor to carry out daily work and focused on mental health of college students