***Chen Yijia***

***Personal Information***

**Name:** Yijia Chen **Date of Birth:** Nov.07th, 1997

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**Address:** 128 Jones Ave, New Brunswick, NJ, 08901

***Education Background***

09/2020-05/2022 **Columbia University**

Major: Biotechnology

Expected Degree: Master of Art (2022.05)

09/2018-05/2020 **Rutgers University-New Brunswick**

Major: Plant Biology

Degree: Bachelor of Science

09/2016-07/2018 **Nanjing Agricultural University**

Major: Agro-grassland Science

Degree: Bachelor of Science

***Extracurricular Activities***

09/2016-07/2018 **Activities Department of College’s Students Union Person in Charge**

* Planned and organized more than 30 arts performance and sports campus activities
* Organized the university’s large-size speech competition

07/2018-08/2018 **Inner Mongolia Ecological Governance Team Member**

* Received training on collecting and making desert plants [specimen](http://www.baidu.com/link?url=UtqpI3zvejFxl-w0H4XZUjdnOAgcYSerdBgQeyyLzQdJGcxQIFonpC_oNGw-Pa6xWGTtJ0CGio0jl0NODH5r_G-tf9UKRT4XAYq0F2c-oXRDVEGlG5hKoPE1oDr0xzuh&wd=&eqid=c15fac18000631e4000000035ddcea7d) and plants seeds
* Visited and worked with the local citizens in the desert and the workers of the Desert Governance Station on planting drought resistant crop *Hylotelephium erythrostictum* (Miq.) H. Ohba
* Communicated with researchers in Desert Governance Station about desert governance objectives and plans
* Wrote a research report on Status and Reasons of Desertification in Alashan Area and its Ecological Governance, together with my 4 team members

***Research Experience***

09/2019-11/2019 **Multiple Microorganisms’ influence on Seedling Ryegrass’ Growth in Optimum Conditions**

* Independently took charge of this research program
* Cultured five kinds of rhizobacteria in *Burkholderia sp* and one in *Burkholderia glathei*
* Cultivated ryegrass seedling by seed tissue culture
* Measured the length, surface area, diameter, volume and biomass of root
* Measured the biomass of shoot

05/2019-07/2019 **Multiple Microorganisms’ influence on Ryegrass’ Growth in a Drought Stress Environment**

* Independently took charge of this research program
* Cultured five kinds of rhizobacteria in *Burkholderia sp.*
* Sowed the seeds of ryegrass
* Used two different methods (seed inoculation and soil drench inoculation) to apply rhizobacteria
* Measured the length, surface area, diameter, volume and biomass of root
* Measured the biomass of shoot

03/2018-04/2019 **Research of Melatonin’s Influence on Drought Resistance in Alfalfa Member**

* Searched for relevant literature, through which I analyzed this research program’s [feasibility](http://fanyi.so.com/?src=onebox#feasibility)
* Assisted plants-seedling culture and inputting external melatonin to the plants
* Assisted my professor in controlling plants’ moisture in weighing method and leading to plants’ drought stress
* Measured the plant height, stem diameter, quantity of primary branches
* Learned to measure the SOD, CAT, POD enzyme activity which reflects the drought resistance in Alfalfa
* Performed statistical analysis on experimental data

***Internship Experience***

01/2019-01/2019 **Guangxi Medicinal Botanical Garden Intern**

* Was mainly responsible for [dandelion](http://fanyi.so.com/?src=onebox#dandelion) seeds cultivation job
* involved in all the procedures of dandelion seeds cultivation operations

01/2021-05/2021 **Blackstone Life Science Group project**

* Generated a professional overview about gene editing technology
* Evaluated and identified the best clinical trial stage gene editing therapies for investment
* Estimated pre-clinical trial gene editing therapies that hold the most potential for investment

05/2021-07/2021 **PuraPharm Intern**

* Researched the best conservation environmental conditions for natural products produced from herbal sources
* Researched pretreated and extracted methods’ influence on natural products produced from herbal sources
* Measured active ingredients of natural product from different extract methods with liquid chromatography

***Honors and Awards***

* Plant Biology Undergraduate Award; May. 2020
* Dean List of 2018 fall-2019 spring; Jul. 2019
* Ralph Geiger Scholarship; Nov. 2019
* The Third Prize in Rooting-Dance Competition Nanjing Agricultural University; May 2017
* Excellent Member in Military Training Program; Oct. 2016