

# RESUME

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## PERSONAL INFORMATION

- **Name:** Zhu Mingyuan
  - **Gender:** Male
  - **Date of Birth:** March 10, 1997
  - **Nationality:** China Address: Shandong Province, china
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  - **Github:** <https://github.com/zhumingyuan123>
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## Education

### University of Nottingham

2019.9 - now

- MSc Business Analytics

### Jilin University

2015.9 - 2019.6

- B.S. in Animal Science
  - GPA: **3.50/4**
  - Average score: **87/100**
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## WORK EXPERIENCE

1 GUANGZHOU INSTITUTES OF BIOMEDICINE AND HEALTH, CHINESE ACADEMY OF SCIENCES

July/2018-August/2018

### *Intern - Research Assistant*

Responsibilities: Daily report translation; Using scRNA-seq, available computational and statistical methods to understand development of pig stem cells , PPT, presentation making and using the server for big data processing with sql, Python, R and shell.

Design and complete the project independently- "Single-cell transcriptome to explore genomic activation of porcine nuclear transfer embryos". This project was funded by the Chinese Academy of Sciences and successfully accepted.

2 KUNMING INSTITUTE OF ZOOLOGY, CHINESE ACADEMY OF SCIENCES

**July/2017-August/2017**

***Intern - Research Assistant***

Responsibilities: Participate in the project "Comparative population genomics reveal the genetic basis underlying feather color variation in domestic chickens", PPT and presentation making.

During that time, I participated in the bioinformatics related experiments of chickens and received high evaluation from professors.

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## **EXTRACURRICULAR ACTIVITIES**

1 University Students Union, Jilin University

**July/2016-July/2017**

***Deputy Minister for Academic***

Responsibilities: Planning school events and programs; Organize National University Student Innovation Program Exchange Meeting; Organize the flea market; Copy writing, operation of Wechat official account and new media.

2 Jilin University, Genetics and Breeding Laboratory

**July/2016- now**

***Bioinformatics assistant***

Responsibilities: Alibaba Cloud server construction and maintenance; Dell tower type of server maintenance and network management; Configuration and update of the operating environment of Changchun Computing Center; Debug; Perl and Python language learning guidance; Guidance for the analysis pipeline

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## **Academic Achievements**

1 Project: scRNA-seq explores the development of two-cell stage in pig nuclear transfer embryos

**March/2018-now**

***GUANGZHOU INSTITUTES OF BIOMEDICINE AND HEALTH, CHINESE ACADEMY OF SCIENCES***

Using bioinformatics compare the gene expression's difference between normal and nuclear transfer embryos in the two-cell stage, to better understanding of somatic nuclear reprogramming mechanism and main blocking factors, provide a theoretical basis for further correcting the expression of key genes to improve nuclear transfer efficiency.

2 Project: Comparative population genomics reveal the genetic basis underlying feather color variation in domestic chickens

**July/2017-March/2018**

## KUNMING INSTITUTE OF ZOOLOGY.CAS

We use the comparative population genomics based on the NGS to study the genome of Yuanbao chickens and identified four novel loci that potentially control the variation in color pattern of domestic chickens, which will provide new insight about basis pigmentation biology.

3 SCI: Conserved aspartate-to-glycine mutation in tyrosinase is associated with albino phenotype in domestic guinea pigs (*Cavia porcellus*)

**September/2016-September/2017**

### Jilin University

Exploring influencing factors of guinea pig coat color using molecular biology and cell biology

4 National University Student Innovation Program :Study on the regulation mechanism of *krt23* gene on milk fat metabolism

**September/2016-September/2017**

### Jilin University

Exploring gene function using bioinformatics, molecular biology, and cell biology

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## HONORS

- First-class Scholarship during 2015-2016
- Second-class Scholarship during 2016-2017
- College Excellent Student during 2016-2017
- First prize of the National University Student Innovation Program
- KUNMING INSTITUTE OF ZOOLOGY.CAS/Evolutionary Biology Summer School Excellence Award 2017
- CAS Center for Excellence in Molecular/Shanghai Institute of Biochemistry and Cell Biology Outstanding students 2018
- Guangzhou institutes of biomedicine and health (GIBH) Outstanding students 2018
- Guangzhou Medical University Outstanding students 2018
- Outstanding volunteer work in U-run 2016 Jilin University Marathon