RESUME

PERSONAL INFORMATION

- **Name**：Zhu Mingyuan
- **Gender**: Male
- **Date of Birth**: March 10, 1997
- **Nationality**: China Address: Shandong Province, china
- **Mobile**: +86 15764333422
- **E-Mail**: bixmz3@nottingham.edu.cn
- **Github**: https://github.com/zhumingyuan123
- **Homepage**: https://mingyuan-zhu.github.io/

Education

University of Nottingham

`2019.9 - 2020.11(or now)

- MSc in Business Analytics
- Average score: **69.7/100**

Research Areas:

- Personality–job fit and Enhanced Neural Network
- Machine Learning in Gaming
- Machine Learning in Human Resources

JiLin University

`2015.9 - 2019.6`

- B.S. in Animal Science(Outstanding Talent Experiment Class)
- GPA: **3.50/4**
- Average score:**87/100**

Research Areas:

- Single-Cell RNA-seq and developmental bioinformatics
- New bioinformatics pipeline bulit
- RNA-seq, DNA-seq in evolutionary biology& Population genomics and population genetics
- Chicken Genomics Evolution

WORK EXPERENCE

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1 University of Nottingham Ningbo China, Nottingham University Business School
China
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October/2019 to Now

STUDENT RESEARCH ASSISTANT

Jie Yu's lab, Associate Professor, Ningbo, China

- Research on "Enhancing Person-Job Fit: A Smart Job-Resume Matching and Ranking System Through Convolutional Neural Network Approach"
- Research on "Real-time Winning Rate Prediction: An Empirical Study on League of Legends"
- Server Maintenance
- Assist with SmartSalary recruitment activities by preparing training materials (including video, assignment, criteria and etc.) and passing out hire posters
- Leading the research activities of undergraduate and graduate students
- Communicate effectively with participants, both orally and in writing, to schedule and follow-up with works
- Timely and accurate testing, scanning and verification for work assignment
- Now applying Li Dak Sum Innovation Fellowship(UNNC) , complete follow up checks and paperwork, and will continue RA works until finding PhD position
- Other affairs, such as writing tweets for enrollment, making promotional videos, and drawing statistics charts of the Academic Affairs Office

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2 University of Nottingham Ningbo China, Admissions and Career Development
Office
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Nov 2019- Nov 2020 (20 hours per week)

Data Assistant and Employment Procedure

Ningbo, China

Job Description:

- Compile and gather data for processing and entering into databases.
- Organize and process data relating to Employment Procedure.
- Formatting and recording job information.
- Editing/proofreading of employment report certificate

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3 Smartsalary company, Shanghai
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February 2020- May 2020

Intern salary data analyst

Smartsalary, Shanghai, China

Job Description:

- Recruit and manage around 20 staff as HR
- Organization, training and supervision on Manual data tagging
- Video production and editing

- Mark and verify the job description data
- Research for personal-job fit project(with UNNC)

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4 GUANGZHOU INSTITUTES OF BIOMEDICINE AND HEALTH,CHINESE ACADEMY OF SCIENCES
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July/2018-August/2018

STUDENT RESEARCH ASSISTANT

Liangxue Lai's & Miguel's lab,Guangzhou, China

Responsibilities:

- Conduct an exhaustive literature review for "Single-cell transcriptome to explore genomic activation of porcine nuclear transfer embryos"
- Build a comprehensive pipeline containing transcriptome sequencing data analysis and basic estimation for each process as a function of sequencing evaluating
- For each desalination process identified in this project,
- Basic bioinformatics analysis and expertise in common bioinformatics
- Manage, interpret, familiarity and analyze large data sets with functional genetic and genomic data
- Broad knowledge of bioinformatics analysis methodologies;
- Daily report and presentation for new computational and statistical methods
- Code in high performance "Sugon" server for SQL, Python, R and shell for parallel and distributed processing and applications
- Research funded by the Chinese Academy of Sciences

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5 KUNMING INSTITUTE OF ZOOLOGY, CHINESE ACADEMY OF SCIENCES
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July/2017-August/2017

STUDENT RESEARCH ASSISTANT

Dongdong Wu's lab, Kunming, China

Responsibilities:

- Project "Comparative population genomics reveal the genetic basis underlying feather colour variation in domestic chickens "

- Daily report and presentation for papers

- Collaborate productively with all involved parties, like Jilin University and KUNMING INSTITUTE OF ZOOLOGY

- Copywriting/proofing

- Coding with R, Python and shell

- Using Git and ability to distributed work via terminal in server

- Bioinformatics related experiments of chickens

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6 Jilin University, Genetics and Breeding Laboratory
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July/2016- July 2019

STUDENT ASSISTANT

- Alibaba Cloud server construction and maintenance
- Dell tower server maintenance and management
- Configuration and update of the operating environment in server of Changchun Computing Center
- Debug, Perl and Python language learning guidance, report and sharing; Guidance for the analysis pipeline
- Assist in writing and checking documents of the National Natural Science Foundation of China
- Weekly group meeting to explain the programming and methodology of bioinformatics
- Assist in reviewing manuscripts of bioinformatics journals

Academic Achievements and Works

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1 Project and DT: "Enhancing Person-Job Fit: A Smart Job-Resume Matching and
Ranking System Through Convolutional Neural Network Approach"
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March/2018-now

University of Nottingham Ningbo China, Nottingham University Business School China

[Github Link](private)

Our project will develop a data science and data mining platform to advance understanding the principles and used to solve significant personal job fit problems, and support decision making on choosing well-fit candidates for companies and better jobs opportunities and more chance of their career for applicants.

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2 Project: "Real-time Winning Rate Prediction: An Empirical Study on League of
Legends"
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August/2019-November 2019

University of Nottingham Ningbo China, Nottingham University Business School China

[Github Link](private)

We collect data from a fairly popular MOBA (Multiplayer Online Battle Arena) game - League of Legends (LOL), which attracted millions of players all over the world. A 'real-time winning rate prediction model' was trained and optimized based on the dataset. We expect this model to help players develop better strategies in champion selection and in-game tactics, as well as to improve the experience of audiences.

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3 Project: "China-Italian Hydraulic Motor factory: Staff Management
Optimization"
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March/2018-now

University of Nottingham Ningbo China, Nottingham University Business School China

According to the order, machine and employee information, operations planning and planning of employee work.

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

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5 Project and DT: "Comparative population genomics reveal the genetic basis
underlying feather color variation in domestic chickens"
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July/2017-March/2018

KUNMING INSTITUTE OF ZOOLOGY.CAS& Jilin University

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.

High-throughput sequencing, bioinformatics, Transcriptome stitching process

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6 SCI paper: Conserved aspartate-to-glycine mutation in tyrosinase is associated
with albino phenotype in domestic guinea pigs (Cavia porcellus)
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September/2016-September/2017

Jilin University

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

Genetic hybridization, genome sequencing, bioinformatics

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7 National University Student Innovation Program :Figure out the regulation
mechanism of krt23 gene on milk fat metabolism
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September/2016-September/2017

Jilin University

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

Polymerase chain reaction for cow mammary epithelial cells, compare gene expression levels

HONORS

- Recommended postgraduate form Jilin university
- UM Macao PhD full Scholarship and Eligibility for doctoral admission at the University of Macau(2018)
- Funding for the Science and Technology Innovation Program of the Chinese Academy of Sciences
- First-class Scholarship during 2015-2016
- Second-class Scholarship during 2016-2017
- Third-class Scholarship during 2017-2018
- College Excellent Student during 2016-2019
- First prize of the National University Student Innovation Program
- Excellent campers and graduate admission in summer camp of Shanghai Institute for Biochemistry and Cell Biology, CAS in 2018
- Excellent campers and graduate admission for Guangzhou institutes of biomedicine and health (GIBH) ,CAS and Guangzhou medical university in 2018
- Deputy Minister of Jilin University Campus Student Union and outstanding cadres
- Excellent Cadre of Graduate Student Union

SKILLS

- Knowledge of machine learning and business analysis
- Long-term high-intensity work and self-motivation ability
- Organisational time management skills for the multi research projects
- Detail oriented and the ability to work independently
- Academic reading, writing, and reasoning ability in different subjects
- Excellent interpersonal skills over the lab meeting training and part-time works with a diverse group of study participants
- Excellent organizational, problem solving and priority setting skills
- An aptitude for performing detailed tasks
- Ability to work independently, meet deadlines, and follow instructions
- A general familiarity with computers and knowledge of programming languages, like R, Perl, Python
- Familiar with business intelligence and analytics software, like Tableau, Orange
- Deep learning/natural language processing (NLP) (*tensorflow*, *pytorch*, *python*,*Spark*) experience