LIJIA YU

Currently searching for a PhD student position

Please note that this is a *real* resume, and I'm really looking for a PhD student position at the moment. I made this resume because Yihui asked me if I'd like to test the **pagedown** package with my resume. If you are interested in my background and skills, please feel free to contact me.

🎓 EDUCATION

2010

Beijing University of Chemical Technology
B.S. in Information and Computing Sciences

📍 Beijing, China

Thesis: Dyadic wavelet and its application in edge detection

2014

University of Chinese Academy of Sciences
M.S. in Bioinformatics

📍 Beijing, China

Thesis: A multi-omics study for intra-individual divergence of the distributions between mRNA isoforms in mammals

🖥 RESEARCH EXPERIENCE

2011 | 2014

Graduate Research Assistant
Beijing Institute of Genomics, Chinese Academy of Sciences

📍 Beijing, China

- Performed computational biology research towards understanding regulation of alternative splicing in human and mouse transcriptome.
- Found EGFR pathway related mutations, aimed to understand the impacts of cancer mutations on EGFR signaling pathway.

2015 | 2016

Bioinformatican
My Health Gene Technology Co., Ltd.

📍 Beijing, China

- Investigated how cancer cells spread to other parts of the body at the single cell level.

2016 | 2018

Visiting Scientist
University of Alabama at Birmingham

📍 AL, USA

- Investigated the role of mitochondria in development of cancer.
- Investigated the evolution of genome architecture and its role in important evolutionary events.
- Detected thrombotic thrombocytopenic purpura related mutations in mutiple patients' blood genome.

💼 PROFESSIONAL EXPERIENCE

2014

Data Scientist, intern
SupStat Inc.

📍 Beijing, China

- Taught R language to beginners.
- Wrote Shiny app demos.
- Converted statistical tutorials from SPSS to R language.

CONTACT INFO

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🐙 github.com/LouisManiere

📞 06.67.74.15.85

SKILLS

Experienced in statistical analysis, statistical learning models, and optimization methods.

Full experience with next generation sequencing data analysis.

Highly skilled in R, Bash, Perl, Python, LaTeX

2015 | 2016

Bioinformatician

My Health Gene Technology Co., Ltd.

📍 Beijing, China

• Analyzed whole-exome sequencing data.
• Wrote analysis pipelines of ChIP-seq, single cell DNA-seq and single cell RNA-seq.

• Studied tumor metastasis and wrote research reports.
• Also did case studies to identify the genetic defect causing rare disease.

TEACHING EXPERIENCE

2014

Introduction to R Language for Beginners.

Instructor of R and Data Mining Training Courses at SupStat Inc.

📍 Beijing, China

2016 | 2017

Computational Biology and Bioinformatics.

Teaching assistant of GBS CB2-201 courses at UAB

📍 AL, USA

SELECTED PUBLICATIONS AND POSTERS

2014

Genetic and epigenetic signals are found predictive to the distribution of intra-individual divergence of alternative splicing.

Poster for 2013 International Conference of Genomics

📍 Qingdao, China

Yu L, Chen B, Zhang Z.

2016

ESCRT-0 complex modulates Rbf mutant cell survival by regulating Rhomboid endosomal trafficking and EGFR signaling.

J Cell Sci. 2016 May 15;129(10):2075-84.

Sheng Z, Yu L, Zhang T, Pei X, Li X, Zhang Z and Du W.