

about

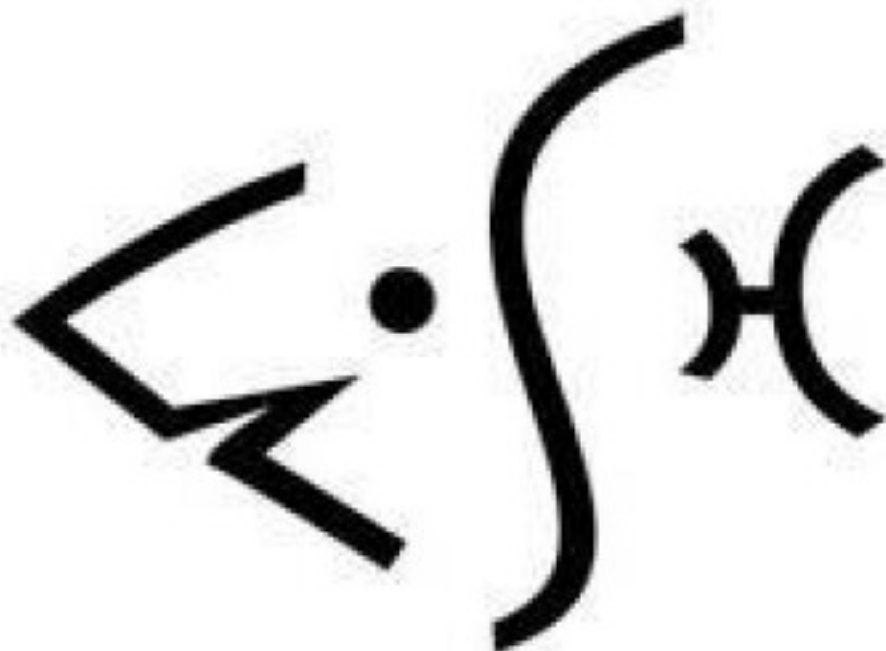
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Aside



Contact Info

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- For more information, please contact me via email.

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

Disclaimer

This resume was made with the R package [pagedown](#).

Last updated on 2022-04-27.

Main

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

Beijing University of Chemical Technology

B.S. in Information and Computing Sciences

Beijing, China

2010

Thesis: Dyadic wavelet and its application in edge detection

University of Chinese Academy of Sciences

M.S. in Bioinformatics

Beijing, China

2014

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

Research Experience

Graduate Research Assistant

Beijing Institute of Genomics, Chinese Academy of Sciences

Beijing, China

2011 - 2014

- 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.

Bioinformatician

My Health Gene Technology Co., Ltd.

Beijing, China

2015 - 2016

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

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Visiting Scientist

University of Alabama at Birmingham

AL, USA

2016 - 2018

- 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 multiple patients' blood genome.

Professional Experience

Data Scientist, intern

SupStat Inc.

Beijing, China

2014

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

Bioinformatician

My Health Gene Technology Co., Ltd.

Beijing, China

2015 - 2016

- 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

Introduction to R Language for Beginners.

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

Beijing, China

2014

Computational Biology and Bioinformatics.

Teaching assistant of GBS CB2-201 courses at UAB

AL, USA

2016 - 2017

Selected Publications and Posters

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

2014

Yu L, Chen B, Zhang Z.

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.

N/A

2016

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

