

He Ting

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Education

Dalian University of Technology

Bachelor of Science in Bioinformatics

GPA: 3.5/4.0 (top 6) Major GPA: 3.8/4.0 (top 1)

Main Courses:

- | | | | |
|----------------------------------|---------------------|---------------------------------|----------------|
| • Data Structures and Algorithms | • Systems Biology | • Data Mining in Bioinformatics | • Proteomics |
| • Database Principles | • Genomics | • Perl Programming | • Cell Biology |
| • Bio Java | • Molecular biology | • Computational Biology | • Biochemistry |
| | • Biostatistics | | |

Publications

Zhenyao Zhang, **Ting He**, *Comparative proteomics analysis of human osteosarcoma by 2D DIGE with MALDI-TOF/TOF MS*, The First Youth Medical Forum of Chinese Society of Biochemistry and Molecular Biology, March 2016

Research experience

September-December 2016, University of Calgary, Canada

Frequent Itemset Mining, in collaboration with Dr. Quan Long

- Analyzed phenotype consequences of mutations in a mouse model of Huntington's disease

August-September 2016, University of Calgary, Canada

Cancer Genome data analysis, in collaboration with Dr. Quan Long and Lauren Mak

- Compared quality and accuracy of SNP calling pipelines for next-generation sequencing data

September-April 2015, Panjin, China

Research of synthesis of common drugs

- In charge of improving synthesis route for ciprofloxacin

Project Experience

July-September 2015, Panjin, China

Health Data Analysis app development

- Team lead, group of 6. Designer, Programmer
- In charge of user experience, interface design, and functionality developments

Work Experience

August 2016 – Present, Bioinformatics Skills internet forum

Manager, Writer, Editor

- Educating biologists in bioinformatics skills and pipelines

Honors and awards

National scholarship (Most prestigious post-secondary award, China): October 2016

Scholarships for excellent performance, first prize/second prize: September 2015 – June 2016, September 2014 – June 2015

Scholarships for technological innovation: September 2015 – June 2016

The 12th Climbing Competition of Dalian University of Technology, first prize: April 2016

Mobile Application Development contest in Liao Ning Province, third prize: September 2015

Mathematical modeling competition of China Certification cup, second prize: February 2016

The honor of All-around Good Student: September 2014 – June 2015, September 2015 – June 2016

Skills

Programming languages: Java, C++, MySQL, Perl, Matlab

Software experience: BWA, Samtool, PBS/TORQUE

Laboratory skills: Inverse PCR, Protein Content Determination, Culture of Animal Cells, Subcultivation, Cryopreservation and Resuscitation of Cells, Chemical Staining of Cell Climbing Slices, Determination of Protein Concentration by Bradford method, SDS-PAGE, Agarose Gel Electrophoresis for Detection of Plasmid DNA