Curriculum Vitae of WEI YI
Nationality: China Date of birth: 14/09/1996
Phone number: +86 18067417580

Education

Full name: WEI YI

University of Chinese Academy of Science (UCAS)

No. 19A Yuquan Road, Shijingshan District, Beijing, 100049, P.R.China

Bachelor of Science (Started at 09/2015; will finish at 06/2019)

Major: Mathematics and Applied Mathematics

GPA: 3.91/4.0 Ranking: 4/56

Honors and Awards

Title1: Second-Class Scholarship 2016 **Date: 2016**

Title2: "Triple-A" Outstanding Student 2016 **Date: 2016**

Title3: First-Class Scholarship 2017 **Date: 2017**

Title4: "Triple-A" Outstanding Student 2017 **Date: 2017**

Title5: Successful Participant in 2017 American Mathematical Contest in Modeling **Date: 2017**

Title6: S. -T. Yau College Student Mathematics Contests: Geometry and Topology Honor **Date: 2018**

Title7: S. -T. Yau College Student Mathematics Contests: Algebra and Number theory Honor **Date: 2018**

Title8: Second-Class Scholarship 2018 **Date: 2018**

Title 9: UCAS Overseas Graduation Studies Fellowship Program **Date: 2019**

Professional experience

Title 1 Internship **Date: Summer 2016**

Institution: Beijing Institute of Genomics, Chinese Academy of Sciences

Director: Prof. ZHANG Zhihua

- PROCEDURE: Learned basic knowledge on modeling 3D genome structure from high throughput DNA sequencing data (Hi-C)
- RESULT: Finished all tasks with high-quality.

Title 2 Scientifc Practice **Date: August, 2016 - November, 2017**

Institution: Institute of Software, Chinese Academy of Sciences & Beijing Institute of Genomics, Chinese Academy of Sciences

Director: Prof. ZHANG Zhihua & Prof. LI Angsheng

- PROCEDURE: Participated in the project of deciphering chromatin structure with brand-new algorithm designed by Professor Angsheng Li from Institute of Software, cooperated with Professor Zhihua Zhang from the Beijing Institute of Genomics.

RESULT: The result has been summarized as a paper, published by *Nature Communication*. The headline of the article is *Decoding topologically associating domains with ultra-low resolution Hi-C data by graph structural entropy*. https://www.nature.com/articles/s41467-018-05691-7#Sec27

Title 3 Attending Workshop **Date: August 3-7, 2018**

Institution: Sun Yat-sen University, Guangzhou, China

- PROCEDURE: This workshop will be about representation theory of complex/real reductive Lie groups and related topics, with special focus on coadjoint orbit method, realization of unipotent representations and their relationship with deformation quantization and algebraic geometry.

Title 4 Visiting Students Program **Date: October 2018- March 2019**

Institution: University of Oxford

- PROCEDURE: A half-year visiting students program in University of Oxford, taking mathematical courses there.

Social and voluntary works

One day voluntary work at China Science and Technology Museum **Date: 05/04/2016**

Languages

TOEFL: 102(R29, L26, S23 W24) **TEST DATE: September 2018**

GRE: V151+Q170 **TEST DATE: September, 2018**

Hobbies and sports

Hobbies: Chinese calligraphy, Erhu — an ancient Chinese instrument, books and museums.

Sports: Body building, badminton, tennis, bicycle and football.