Xuande **Liu**

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"Wir müssen wissen, wir werden wissen"

Education

PKU(Peking University)   *Beijing, China*

B.S. in Mathematics   *Sept. 2016 - PRESENT*

- Major:Mathematics and Applied Mathematics

Xinyu No.4 Middle School   *Xinyu, Jiangxi Province, China*

Senior High School   *Sept. 2013 - Jun. 2016*

- Science Major

Work Experience

Student Affairs Department   *Beijing, China*

Freshman Counselor in Peking University   *Aug. 2017 - Sept. 2017*

- Led the freshmen in Peking University to be familiar with the campus
- Offered assistance to the new students in school

Student Union of Peking University   *Beijing, China*

Staff Member in Public Relation Department   *Oct. 2016 - Oct. 2017*

- Sought for the financial support for the activities
- Organized the competition of top ten singers in campus

Student Union of Peking University   *Beijing, China*

Vice Minister in Public Relation Department   *Oct. 2017 - Oct. 2018*

- Executed the plan of desert exploration
- Organized the competition of the best actor in campus

BICMR(Beijing Inernational Center for Mathematical Research)   *Beijing, China*

Research Assistant   *Jan. 2018 - Present*

- Planned the seminars and colloquiums in the center
- Programmed the conferences and Mini-Courses in the center
- Organized the summer school of mathematics in Peking University

Research Experience

Research in teacher's group   *EECS, Peking University*

Instructor: Junfeng Hu   *Jan. 2017 - June. 2017*

- Read some papers and explored on the area of the natural language processing

Training plan for the talents on pure mathematics   *School of Mathematical Sciences*

Instructor: Houhong Fan   *Nov. 2017 - June. 2018*

- Read some papers about the low dimensional topology

Undergraduate research in Peking University   *BICMR*

Instructor: Chenyang Xu   *May. 2018 - Present*

- Doing some research on the minimal model program and classification of algebraic varieties

Undergraduate research in Peking University   *BICMR*

Instructor: Zhiyu Tian   *Nov. 2018 - Present*

- Doing some research on algebraic curves and algebraic surfaces

Seminars

Seminar on Mordern Geometry - Methods and Applications

Science Building 1, Peking University, China

Oʀɢᴀɴɪᴢᴇʀ & Lᴇᴄᴛᴜʀᴇʀ

Nov. 2017 - Mar. 2018

- Gave talks about basic definitions and properties of manifolds
- Gave talks about fundemantal homology and cohomology theory
- Gave talks about fundemantal homotopy theory

Seminar on Algebraic Geometry

Science Building 1, Peking University, China

Oʀɢᴀɴɪᴢᴇʀ & Lᴇᴄᴛᴜʀᴇʀ

Feb. 2019 - PRESENT

- Gave talks about the complex analytic desingularizations
- Planning to give talks about birational geometry

Seminar on Perverse Sheaves and Decomposition Theorem

BICMR, Peking University, China

Lᴇᴄᴛᴜʀᴇʀ

Sept. 2018 - Feb. 2019

- Gave talks about the perverse sheaves

Honors & Awards

2018	**Bronze Medal**, S.-T.Yau College Student Mathematics Contest	*University of Chinese Academy of Sciences, China*
2018	**Meritorious Winner**, Mathematical Contest In Modeling	*Online*
2018	**Rank A in Harmonic Analysis**, The 1st International Undergraduate Mathematics Summer School	*BICMR, China*
2018	**Role Model in Study**, in Peking University	*Beijing, China*
2017	**Outstanding campers**, The camp of backbones training of the student union	*Beijing, China*

Skills

Programming	Python, C/C++, Scala, Matlab, HTML, LaTeX
Languages	Chinese(Native), English(Fluent), French(Beginner)
Interests	Football, Basketball, Fitness, Classical Music