

# Yunyi Shen

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Room 204, Conservation Biology Building, Peking University  
Beijing, P. R. China, 100871  
+86 156-5070-4002  
yshen99@wisc.edu

## Education

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09/2014 – 07/2018      **Peking University**  
Bachelor of Science (Integrated Science Program)  
2018  
GPA: 3.51/4.00

## Key Coursework

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- **Ecology and Evolution:** *Animal Population Dynamics*<sup>#</sup>; *Quantitative Methods in Ecology*; *Conservation Biology*; *General Ecology (I-III)*; *Animal Ecology*; *Avian Ecology*; *Life in Earth History*.
- **Math & Physics:** *Probability and Statistics*; *Methods in Mathematical Physics*; *Ordinary Differential Equations*; *Method of Stochastic Simulation*<sup>#</sup>; *Computational System Biology*<sup>#</sup>; *Mathematical Modeling in the Life Sciences*; *Physical Chemistry(I-III)*; *Introduction to Computation*; *Numerical Methods*  
\*: In Progress; #: Graduate Level

## Research Experiences

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|-------------------|---|
| 07/2017 – 09/2017 | Prof. Timothy R Van Deelen's lab, UW-Madison  |
| 07/2017 – 09/2017 | Stability of 'Predator Pit', a Case Study of Wolf-Ungulate System.  |
| 10/2015 – 08/2018 | Prof. Sheng Li & Dajun Wang's lab, Peking Univ.   |
| 08/2017 - PRESENT | Chinese Migration Birds under Changing Land Use, a Citizen Science Approach. (Ongoing)  |
| 08/2017 – PRESENT | Phylogeny and Distribution Pattern of Chinese Pheasants: Relationship between Evolution and Distributions. (Ongoing)                  |
| 09/2016 - 07/2017 | High Resolution Mapping of Asiatic Black Bear ( <i>Ursus thibetanus</i> ) distribution in China (Publication in preparation)          |
| 05/2016 - 05/2017 | Niche conflict between Przewalski's Gazelle ( <i>Procapra przewalskii</i> ) and livestock (Done. Undergraduate Research Program, PKU) |
| 12/2014 – 10/2015 | Prof. Yulong Li's lab, Peking Univ.   |
| 12/2014 - 10/2015 | Molecular Mechanism of VGluT Transportation.  |

## Presentations and Posters

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### 12/2017 CHINESE COFERENCE OF CONSERVATION BIOLOGY (PRESENTATION)

Identify critical knowledge gaps and conservation needs of large  
Mammals, a case study Asiatic Black Bear (Best Presentation Award)

### 01/2016 CONSERVATION OF CHINA'S TROPICAL BIODIVERSITY (POSTER)

Biodiversity survey in Chongzuo examined effects of the white-headed  
langur (*Trachypithecus leucocephalus*) as a flagship species on habitat  
conservation

## Activities

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### PROFESSIONAL:

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|-------------------|---|
| 09/2016 - PRESENT | Curator Assistant and Lecturer of PKU Biology Museum.           |
| 02/2016 - 03/2016 | Mammal diversity survey volunteer in Wuling Mt. Nature Reserve. |
| 01/2016 - 02/2016 | Birds diversity survey volunteer in Chongzuo, Guangxi province. |

### SOCIAL:

|                   |   |
|-------------------|---|
| 09/2017 - PRESENT | Photographer, Media Center of School of Life Sciences PKU                     |
| 06/2016 - 04/2017 | Editor, <i>Natural History (Bo Wu)</i> , Chinese National Geography magazine. |
| 09/2015 - 10/2016 | Core member, Green Life association, PKU.                                     |

## Teaching

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|-------------|--|
| SPRING 2018 | Lecturer of Entry Level ESL Course for Non-Acedamic Staffs, PKU.                                     |
| FALL 2018   | TA of Freshman Seminar in Biology of YUANPEI College ( <i>Evolution of Human Intelegance</i> ), PKU. |
| SPRING 2017 | TA of Biological Photography.  |
| SPRING 2017 | TA of Seminar of Genetics, College of Life Sciences, PKU.  |
| FALL 2017   | TA of Freshman Seminar in Biology of YUANPEI College ( <i>Evolution of Human Intelegance</i> ), PKU. |
| SUMMER 2015 | High School CChO* Lecturer, Xi'an No.1 High School.  |
| SUMMER 2014 | High School CChO Lecturer, Xi'an Tieyi High School.  |

\*: Chinese Chemistry Olympiad

## Awards

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- 2017 Annual Award of Social Works, Peking University, 2017
- 2nd award in Jiang Zehan Cup of Modeling for college students 2015.
- Silver medal (National 2nd Prize) in Chinese Chemistry Olympiad, 2013