Yihang She

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EDUCANTION

University of California, Berkeley| California, US   01/2018 – 05/2018

Visiting Student, Berkeley International Study Program (BISP), GPA: 3.945/4.0

Nanjing University | Nanjing, China   09/2015 – Present

Undergraduate Student, Geographic Information Science, GPA: 4.634/5.0, Ranking in Major: 1/25

RESEARCH INTERESTS

Quantitative Research in Urbanization, Urban Planning by Using GIS and RS

Industrial Ecology, Urban Metabolism

Land-use and Land-cover Change, Food and Agriculture

ACADEMIC EXPERIENCES

Mitacs Globalink Research Intern | University of Winnipeg, Winnipeg, Canada   06/2018 – 09/2018

- Project: Forest‐Community Innovation Network, supervised by Professor Ryan Bullock, Canada Research Chair in Human‐Environment Interactions, Environment and Society Research Group
- Review of Community Forestry research in Canada. Identifying gaps and directions for future reseach.
- Personal work: Reading peer-reviewed articles of Community Forestry in Canada over past ten years. Composing an annotated bibiliography. Identifying themes and trends on NVivo. Mapping distributions of community forestry on ArcGIS. Composing parts of manuscripts for a peer-reviewed article (in progress).

Research Intern | NASA' s Ames Research Center, Mountainview, US   11/2017 – 08/2018

- Project: A scalable crop intensity algorithm for cropland intensity mapping at 30-m using multi-source time-series data and Google Earth Engine, supervised by Dr. Jun Xiong, Research Fellow in Ames Center
- Mapping cropping intensity in India by using MODIS and Landsat 8 imagery on Google Earth Engine
- Personal work: Coding with Javascript on Earth Engine to improve mapping accuracy. Marking Areas of Interest (AOI) with large error by comparing reference imagery. Adjusting thresholds used in detecting cropping intensity by studying morphology of NDVI time series and collecting cropping calendars.

Final Project in Postgraduate Course | University of California, Berkeley, US   1/2018 – 05/2018

- LD ARCH 221- Quantitative Methods in Environmental Planning, supervised by Professor John D. Radke
- Assessing suitability of public open Space for children in the City of Oakland by applying spatial analysis
- Personal work: Reviewing existing literatures and identifying factors in consideration. Developing methematical model. Data collection. Modeling based on Model Builder in ArcGIS, with basic idea from McHarg's Transparent Overlay Model, combining with multiple techniques of GIS. Writing final paper.
- Result presenting: Three progress reports, a conference presentation and a journal manuscript in progress.

Research Assistant | Nanjing University, Nanjing, China   06/2017 – present

- Research Group of Urban and Thermal Remote Sensing, supervised by Professor Wenfeng Zhan
- Working on B.Sc. thesis: TBD

Co-researcher |Volunteer Service on Land-use and Planning in Rural Areas, China   07/2017 – 08/2017

- Research Group of Land Use and Land Cover, supervised by Professor Qiuhao Huang
- Personal work: Panel discussions with local residents and officials in Changzhou. Mapping land-use status and updating geo-database based on ArcGIS, satellite imagery and interviews. Composing final report.

Resident Undergraduate Student | Nanjing University, Nanjing, China   10/2016 – 11/2017

- Supervised by Professor Bowei Zhang, Institute for Advanced Studies in Humanities and Social Sciences
- Attending bi-weekly postgraduate seminars on Chinese acient literature. Panel discussions of acient literature in Korea and Japan. Visiting Pennsylvania State University. Writing report on poems of Qu Yuan.

PRESENTATIONS

08/2018

Oral Presentation| 2018 International Geographical Union Regional Conference, Quebec City, Canada
- The Urban Geography Study Group, Presentation Title: Suitability Assessment of Current Public Open Space for Children in the City of Oakland.

TRAININGS AND WORKSHOPS

Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans, Canada   06/2018
Summer Camp at Department of Earth System Science | Tsinghua University, Beijing, China 06/2018
Field Survey on Cultural Representation in Nanjing|The University of Tokyo, Nanjing, China 03/2017
Global Engaged Humanities Program |Pennsylvania State University, Pennsylvania, US   10/2017
International Summer Camp |Korea University, Seoul, South Korea   07/2016 – 08/2016

AWARDS AND HONORS

2018 | **First Grade Award of Papers** | The 21st Forum of Sciences and Arts | Nanjing University

2018 | **Globalink Research Internship Award** | Mitacs

2018 | **CSC Scholarship** | China Scholarship Council

2018 | **Du-xia Scholarship** (RMB 8,000) | Nanjing University

2018 | **Rui-hua International Exchange Scholarship** (RMB 40,000) | Nanjing University

2017 | **Zheng-gang Scholarship** (RMB 10,000) | Nanjing University

2017 | **Merit Student of Jiangsu Province** | Department of Education, Jiangsu Province

2017 | **Outstanding Student** | Nanjing Univesity

2017 | **First Grade Award of Excellent Practice Achievement** (1 of 3, individual ranking 2/6) | Volunteer Service on Landuse and Planning in Chinese Rural Areas | China Land Science Society

2017 | **Provincial Excellent Social Practices Team** (1/10, individual ranking 2/6) | The Communist Youth League Committee of Jiangsu Province

2017 | **Provincial Third Grade Award** (individual ranking 4/9) | The 15th Challenge Cup National College Students' Extracurricular Science and Technology Competition

2016 | **National Scholarship** (RMB 8,000, the **highest honor** for college students) | China Ministry of Education

2016 | **APRU Scholarship** (USD 200) | Korea University

2016 | **Second Grade Award** | The 9th National Collegiate Oceanographic Knowledge Competition |China's State Oceanic Administration

KNOWLEDGE AND SKILLS

Software: ArcGIS; Google Earth Engine; ENVI; MATLAB; NVivo; Co-laboratory
Programming: C; C++; Python: GeoPandas, NumPy; SQL; C#
Academic Writing: APA, MLA, Experience on writing annotated bibliography and journal articles
Language: Chinese (native), English (fluent), TOEFL: 104/120 (Reading: 28, Listening: 26, Speaking: 23, Writing: 27)
Research Ethics: Certificate of Completion on TCPS 2: CORE.

REFERENCES ON REQUEST