

# Xu Yekai

## Curriculum Vitae

Doctoral Student  
Interdisciplinary Information Studies  
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## EDUCATION

- Sept. 2021 – **University of Tokyo (UTokyo)**, Graduate School of Interdisciplinary Information Studies,  
Aug. 2024 Interdisciplinary Information Studies, PhD.  
○ Supervisors: [Prof. Maeda Yukio](#), [Prof. Kenneth McElwain](#)  
○ Funded by China Scholarship Council
- Sept. 2018 – **Tsinghua University**, Tsinghua-Berkeley Shenzhen Institute ([TBSI](#)), Data Science and  
Jun. 2021 Information Technology, Master of Science.  
○ GPA for degree courses: 3.75/4.00, GPA for all courses: 3.81/4.00  
○ Topics: *Big Data Analysis*, *Computational Social Sciences*  
○ Supervisors: [Prof. Ni Shiguang](#), [Prof. Somayeh Sojoudi](#)  
○ Visiting Researcher (Sept. 2019 – Jan. 2020): Tsinghua International Relations Data & Computing Lab ([DCL](#))  
- Topic: *Social Media (Twitter) Data Analysis for International Relations Study*  
- Supervisors: [Dr. He Qingqian](#)  
○ Teaching Assistant Experience: *Big Data: Thinking and Behaviour* (2020 Fall, [Website](#))
- Sept. 2017 – **École Centrale de Nantes (ECN)**, Exchange Student, Signal, Control and Robotics,  
May 2018 Foundation Master.  
○ Average Score: 17.95/20, A in all nine courses
- Sept. 2014 – **Tianjin University (TJU)**, School of Electrical and Information Engineering, Automation,  
Jul. 2018 Bachelor of Engineering.  
○ Average Score: 91.89/100, GPA: 3.87/4.00; Ranking: 3/157

## Honours and Scholarships

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|------|--|--------------------------|
| 2021 | China Scholarship Council Doctoral Scholarship   | <b>JPY 170,000/month</b> |
| 2020 | First-Class Scholarship of Tsinghua Shenzhen International Graduate School                 | <b>CNY 4,000</b>         |
| 2018 | Tianjin University Outstanding Graduate  |                          |
| 2017 | Meritorious Winner of 2017 Mathematical & Interdisciplinary Contest for Modeling (MCM/ICM) |                          |
| 2017 | Challenge Cup (Social Sciences): Third Prize of Tianjin University                         |                          |
| 2016 | Zhuangbinchang Scholarship   | <b>CNY 10,000</b>        |

## PUBLICATIONS

(\*: Advisor; †: Co-first author)

- [1] **Xu, Y.**, Xie, M., & Han, T. Politextpy: A Toolkit for Analyzing Media Political Discourse. *Under Review*.
- [2] **Xu, Y.**, & Sun, C. An Analysis of Overseas Media's Attitudes towards China from A Framing Theory's Perspective – Taking the Coverages of Two China-related Controversial Events as Examples. Presented at the *15th Chinese Conference of Communication Studies*. ([Slides](#)) [[Outstanding Thesis Award](#)]

- [3] **Xu, Y.**, & Xie, M.<sup>†</sup> (2022). Chinese IT Companies under U.S.-China Trade War: A Computational Political Communication Perspective. *IADIS International Journal on WWW/Internet*, 20(1), 33-46. ([Paper](#))
- [4] **Xu, Y.**, He, Q.\*, & Ni, S.\* (2020, November). Understanding Online Public Sentiments: A Machine Learning-Based Analysis of English and Chinese Twitter Discourse during the 2019 Chinese National Day. In *2020 2nd International Multidisciplinary Information Technology and Engineering Conference (IMITEC)* (pp. 1-9). IEEE. ([Project Home Page](#)) ([Slides](#)) ([Paper](#)) ([Code Release](#)) [ [Best Presentation Award \(1st Prize\)](#) at the 2020 TKT CAMPUS Asia Research Symposium]
- [5] He, Q., **Xu, Y.**, Yu W., Liu J. (2022, July). Agriculture and International Water Conflict in Asia: An Analysis Based on Remote Sensing Data. In *IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2022)* (pp. 7938-7941). IEEE. ([Paper](#))
- [6] Lin, Y., Gu, Y., **Xu, Y.**, Hou, S., Ding, R., & Ni, S.\* (2022). Autistic Spectrum Traits Detection and Early Screening: A Machine Learning Based Eye Movement Study. *Journal of Child and Adolescent Psychiatric Nursing*, 35(1), 83-92. ([Paper](#))
- [7] Xiong, Q., Ni, S.\*, **Xu, Y.**, Zhang, Q., & Peng, K. (2019, June). Privacy-Friendly Personality Recognition in Social Media: A Case Study of Chinese WeChat Users. In *International Conference on Applications and Techniques in Cyber Security and Intelligence* (pp. 2013-2025). Springer, Cham. ([Paper](#))

#### Academic Presentations

- Dec. 2020 **Xu, Y.**, Xie M. Country Image and Related Propaganda on the Internet: Evidence from Twitter and BBC. *The 12th Postgraduate Forum of Journalism and Communication Studies of Anhui Province*. ([Second Prize](#))
- Jul. 2021 Xie, M., & **Xu, Y.** Framing an Ultimate War via Political Terminology: How Thucydides Trap Gained Its Power. *International Association for Media and Communication Research / Conference 2021*.

#### Project

- Sept. 2021 – **The National Social Science Fund of China: Youth Project 2021**, *A big data-based study on the new trends in the development of European right-wing populism during the COVID-19 epidemic and China's response*, Director: [Prof. He Qingqian](#), Project Number: 21CGJ025.

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## INTERNSHIPS

- Dec. 2020 – **Asian Infrastructure Investment Bank (Beijing)**, *Portfolio Management Analyst Consultant*.
- Aug. 2021
  - Supervised by Mr. Henry Bell, Senior Secretariat Officer, and Chenhui Li, Portfolio Management Associate
  - Utilizing topic models and keyword extraction techniques to provide insights into the knowledge accumulated during previous investment operations.
  - Applying text analysis algorithms to help establish an operational database, and realizing automated categorization for key information.
  - Forecasting approval dates, investment operations, etc., with models including Decision Trees and Neural Networks.

- May 2020 – **The United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP, Bangkok->Remote Internship)**, *Economic Affairs Intern* ([Certificate](#)).
- Supervised by Ms. Marta Pérez Cusó, Economic Affairs Officer of Technology and Innovation Section
  - Completing a policy brief on creating an enabling environment for inclusive businesses in the health sector.
  - Organizing the Webinar on Promoting Grassroots Innovation ([Website](#)).
  - Working with the Myanmar government to create a training program for STI policy formulation.
  - Funded by the Graduate Student Global Competence Fund of Tsinghua SIGS (CNY 4,000)
- May 2019 – **Guangdong OPPO Mobile Telecommunications Corp., Ltd. (Shenzhen)**, *Mobile Phone Software Development Intern* ([Certificate](#)).
- Supervised by Mr. Mo Siting, Engineer of Mobile Phone Software Department
  - Testing the new CuttleFish emulator for Android 10, and making preparatory work for the company's adopting of the new Android system in the future.
- Jun. 2018 – **Cloopen Group Holding Limited (Beijing)**, *Algorithm Intern* ([Certificate](#)).
- Supervised by Mr. Zeng Guoqing, Head of Technical Pre-Research Department
  - Developing face detection and gesture recognition algorithms for new products of the company.

## EXTRACURRICULAR ACTIVITIES

- Feb. 2022 – G20 Youth Summit 2022 (Y20) | **Chinese Youth Delegate**
- Sept. 2022 *Priority area: Digital transformation.* [[Communiqué](#)][[CGTN Interview](#)]
- Sept. 2021 – Tsinghua SIGS | **Peer Career Adviser** ([Certificate](#))
- Sharing my experiences one-on-one with students and providing career advice.*
- Jul. 2021 The 9th World Peace Forum | **Student observer**
- Topic: International security cooperation in the post-pandemic era: Upholding and practicing multilateralism.*
- Aug. 2020 & Aug. 2022 European Forum Alpbach | **Participant with scholarship (1/22 from Mainland China)** ([Certificate](#))
- Funded by Elsevier, attended seminars on geopolitics, disinformation, and technology.*
- Feb. 2019 Academic Visit to the US | **UC Berkeley, NYU, Columbia Univ.**
- Exchanging ideas about psychology, social work, and computational methods.*
- Aug. 2016 ZhiMeng Project | **A volunteer organization helping high school students in poor counties**
- Participant of the first teaching program, offering 34 Chinese and English classes, plus 3 seminars.*
- 2016 – 2017 New Media Center of the School of Electrical Engineering and Automation | **Chairman**
- The founding chairman, operating the school's social media account and making the number of followers of the official WeChat account increase by 70%. ([Certificate](#))*
- 2014 – 2017 Peiyang English Association of Tianjin University | **From Member to Chairman**
- Conducting flattening reform to make the association more dynamic. ([Certificate](#))*
- 2014 – 2015 Peiyang Symphony Orchestra | **Member of the Bass Part**
- 2014 – 2015 Entrepreneurship Association of Tianjin University | **Member**

## OTHER ASPECTS

- Languages Mandarin Chinese (native speaker); English (TOEFL 112, Jun. 2020); Japanese (N1 99); and French (beginner)
- Programming Python, R, HTML, etc.
- CAD Computer-aided Design: Grade I
- Coursera Public Policy Challenges of the 21st Century (May 2020, [Certificate](#))
- Political Economy of Institutions and Development (Dec. 2019, [Certificate](#))
- Understanding International Relations Theory (Jun. 2019, [Certificate](#))

Personal **Foreign Culture and Languages:** *Learning French and Japanese.*  
Interests **Travelling:** *Have traveled to 12 European countries during my exchange in France.*  
**Musical Instrument:** *Keyboard Nonprofessional Grade 9 (top grade of the Central Conservatory of Music Examination System) with Excellence.*