

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.
○ Supervisor: [*Prof. Maeda Yukio*](#)
○ 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 | JPY 170,000/month |
| 2020 | First-Class Scholarship of Tsinghua Shenzhen International Graduate School | CNY 4,000 |
| 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 | CNY 10,000 |

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. Analysis of China's International Image on the Internet from the Perspective of Framing Theory: Taking BBC, Associated Press, Russia Today, and Twitter as examples. Presented at *the 15th Chinese Conference of Communication Studies*. ([*Slides*](#)) [[*Excellent Thesis Award*](#)]

- [3] **Xu, Y.**, Xie, M.[†] (2022, March). Depicting U.S.-China Disputes on Tech Giants through Social Media: An Attempt of Computational Political Communication. In *the 20th International Conference on e-Society (ES 2022)*. (pp. 147-154). IADIS. ([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] Xie, M., **Xu, Y.** Framing an Ultimate War via Political Terminology: How Thucydides Trap Gained Its Power. Presented at *International Association for Media and Communication Research / Conference 2021*.
- [6] 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](#))
- July. 2022 He, Q., **Xu, Y.**, Yu W., Liu J. Agriculture and International Water Conflict in Asia: An Analysis Based on Remote Sensing Data. *IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2022)*.

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.

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 key word 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 Tree 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](#)).
 Nov. 2020
 – 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 business in the health sector.
 - Organizing the Webinar on Promoting Grassroots Innovation ([Website](#)).
 - Working with Myanmar government to create a training programme 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**
 Jun. 2019 *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](#))**
 Aug. 2018 – 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.*
- Sept. 2021 – Tsinghua SIGS | **Peer Career Adviser**
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 (22 people in total for Mainland China)**
Funded by Elsevier, I mainly participated in the politics and technology parts.
- 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%.
- 2014 – 2017 Peiyang English Association of Tianjin University | **From Member to Chairman**
Conducting flattening reform to make the association more dynamic.
- 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); French and Japanese (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.*