Xu Yekai
Curriculum Vitae

Doctoral Student
Interdisciplinary Information Studies
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EDUCATION

Sept. 2021 – Aug. 2025
University of Tokyo(*UTokyo*), *Graduate School of Interdisciplinary Information Studies*, Interdisciplinary Information Studies, PhD.
- Supervisors: *Prof. Maeda Yukio*, *Prof. Kenneth McElwain*
- Funded by China Scholarship Council

Aug. 2023 – May 2024
Yale University, *MacMillan Center for International and Area Studies*, International and Area Studies, Fox Fellow.
- Funded by the Fox International Fellowship at Yale.

Sept. 2018 – Jun. 2021
Tsinghua University, *Tsinghua-Berkeley Shenzhen Institute (TBSI)*, Data Science and 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. 2014 – Jul. 2018
Tianjin University (*TJU*), *School of Electrical and Information Engineering*, Automation, Bachelor of Engineering.
- Average Score: 91.89/100, GPA: 3.87/4.00; Ranking: 3/157

Sept. 2017 – May 2018
École Centrale de Nantes (*ECN*), *Exchange Student*, Signal, Control and Robotics, Foundation Master.
- Average Score: 17.95/20, A in all nine courses

Honours and Scholarships

2023	Yale Fox International Fellowship	***USD 1,510/month+Flights/Housing/Research Funding***
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, Z. Youth Diplomacy: Theory and Practice. *Under Review.*

[2] **Xu, Y.**, Xie, M., & Han, T. Politextpy: A Toolkit for Analyzing Media Political Discourse. *Under Review.*

[3] **Xu, Y**. (2024). A Study on the Effect of Mainstream Dramas and TV News on an Overseas Video Platform in Constructing Country Image. *Communication Innovation Research, 7,* 171-189. [Paper in Chinese]

[4] **Xu, Y.**, & Xie, M.† (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*)

[5] **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*]

[6] 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*)

[7] 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*)

[8] 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

Jul. 2024   **Xu, Y**. How Nationalist Narratives Generate, Circulate, and Reinforce in Mass and Social Media: A Study of South Korean Discourse on South Korea-Japan Relations. To be presented at *the Pacific International Politics Conference (PIPC) 2024*.

May 2024   **Xu, Y.**, & He, Q. China's Image in East European Countries: A Study Based on Massive YouTube Data. Presented at *the 2024 Tsinghua Forum on Communicating EU-China Relations*.

Feb. 2024   **Xu, Y**. Social Media Linking History and Reality: How Online Discourse Shapes Perceptions on South Korea-Japan Relationship. *The 23rd East-West Center International Graduate Student Conference*.

Jul. 2022   **Xu, Y.**, & Sun, C. An Analysis of Overseas Mediaś Attitudes towards China from A Framing Theorý'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*]

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.

Served as Reviewer

[1] Journal of Computational Social Science.

[2] Communication Innovation Research.

INTERNSHIPS

Dec. 2020 – **Asian Infrastructure Investment Bank (Beijing)**, *Portfolio Management Analyst Con-*
Aug. 2021 *sultant*.

– *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**
Nov. 2020 **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*
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.* [*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 & European Forum Alpbach | ***Participant with scholarship (1/22 from Mainland China)*** [*Certificate*]
Aug. 2022 *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 Level); French (beginner); and Korean (beginner)
Programming	Python, R, HTML, etc.
CAD	Computer-aided Design: Grade I
BCF	Global Career Development Facilitator (Certificate), Beisen Career Facilitator (Certificate)
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 Interests	**Foreign Culture and Languages**: *Learning French and Japanese.* **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.*