

Xu Yekai

Curriculum Vitae

Master's Student
Data Science and Information Technology
Tsinghua-Berkeley Shenzhen Institute, Tsinghua University
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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](#), [Prof. Pang Xun](#)
○ 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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| 2020 | 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 | Zhuangbinchang Scholarship | CNY 10,000 |
| 2017 | Meritorious Winner of 2017 Mathematical & Interdisciplinary Contest for Modeling (MCM/ICM) | |
| 2017 | Challenge Cup (Social Sciences): Third Prize of Tianjin University | |

PUBLICATIONS

- [1] **Xu, Y.**, Xie, M., Ni, S., & Hu, Y. Depicting U.S.-China Disputes on Tech Giants through Social Media: An Attempt of Computational Political Communication. *Under Review*.
- [2] **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]

- [3] Xie, M., **Xu, Y.** Framing an Ultimate War via Political Terminology: How Thucydides Trap Gained Its Power. Abstract accepted by *International Association for Media and Communication Research / Conference 2021*.
- [4] 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 Presentation
- [5] **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](#))

INTERNSHIPS

- Dec. 2020 – **Asian Infrastructure Investment Bank (Beijing)**, *Portfolio Management Analyst Consultant* ([Undergoing](#)).
- 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](#)).
- 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 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

- 2020 & 2021 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 programme, 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 (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, plan to learn 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.*