

# Xu Yekai

## Curriculum Vitae

Master's Student  
Data Science and Information Technology  
Tsinghua-Berkeley Shenzhen Institute, Tsinghua University  
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## EDUCATION

- Sept. 2018 – **Tsinghua University**, *Tsinghua-Berkeley Shenzhen Institute (TBSI)*, Data Science and Information Technology, Master of Engineering (Academic Degree).  
Jul. 2021  
○ 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

- 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. Understanding Online Public Sentiments: A Machine Learning-Based Analysis of English and Chinese Twitter Discourse during the 2019 Chinese National Day. *Paper presented at IEEE IMITEC 2020. (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. *Under Review*.
- [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](#))

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## 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.
- 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.

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## 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**

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## 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.*