Bao Tran Truong

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Education

2019–25*	**Ph.D. Candidate in Informatics**
	(Complex Networks and Systems, Minor in Computer Science)
	Indiana University (IU), Bloomington, IN, USA
	Advisor: Filippo Menczer
2014–2018	**B.Sc. in Technological Systems Management** (Minor in Computer Science)
	Stony Brook University (SBU). NY, USA

Awards & Honors

2024	Finalist, UC Berkeley Center for Human-Compatible AI's Prosocial Ranking Challenge ($6,000)
2024	Institute for Humane Studies Fellowship ($5,000)
2022–2023	Ostrom Workshop Fellowship ($49,150)
2021–2022	Knight Foundation Research Fellowship at the Observatory on Social Media
2021	Luddy PhD Summer Research Award, IU ($5,000)
2019–2020	National Science Foundation Research Trainee (NSF-NRT) Fellowship
2017	First Place at the IEEE Student Paper Competition, Seoul, South Korea
2017	Excellence Award, POSTECH Creative ICT Convergence Forum, Seoul, South Korea
2014–2018	Full merit scholarship, SUNY, South Korea (around $120,000)

Publications

G Google Scholar
† → Equal contribution

Journal Articles

J1. **Truong, Bao Tran**, Allen, O. M. & Menczer, F. Account credibility inference based on news-sharing networks. *EPJ Data Science* **13**, 1–19. https://rdcu.be/dxt25 (2024).

J2. **Truong, Bao Tran**, Lou, X., Flammini, A. & Menczer, F. Quantifying the vulnerabilities of the online public square to adversarial manipulation tactics. *PNAS Nexus* **3**, pgae258. ISSN: 2752-6542. https://doi.org/10.1093/pnasnexus/pgae258 (June 2024).

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*Expected.

Peer-reviewed Conference Proceedings

C1. Aiyappa†, R., DeVerna†, M. R., Pote†, M., **Truong†, Bao Tran**, Zhao†, W., Axelrod, D., Pessianzadeh, A., Kachwala, Z., Kim, M., Seckin, O. C., *et al. A multi-platform collection of social media posts about the 2022 US midterm elections* in *Proceedings of the International AAAI Conference on Web and Social Media* **17** (2023), 981–989. https://ojs.aaai.org/index.php/ICWSM/article/view/22205.

C2. DeVerna†, M. R., Pierri†, F., **Truong†, Bao Tran**, Bollenbacher, J., Axelrod, D., Loynes, N., Torres-Lugo, C., Yang, K.-C., Menczer, F. & Bryden, J. *CoVaxxy: A collection of English-language Twitter posts about COVID-19 vaccines* in *Proceedings of the International AAAI Conference on Web and Social Media* **15** (2021), 992–999. https://ojs.aaai.org/index.php/ICWSM/article/view/18122.

C3. Pacheco, D., Hui, P.-M., Torres-Lugo, C., **Truong, Bao Tran**, Flammini, A. & Menczer, F. *Uncovering coordinated networks on social media: methods and case studies* in *Proceedings of the International AAAI Conference on Web and Social Media* **15** (2021), 455–466. https://ojs.aaai.org/index.php/ICWSM/article/view/18075.

C4. **Truong, Bao Tran**. *Cognitive presence in Minecraft online discussion forums: how question framing affects subsequent discussions.* in *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems* (Association for Computing Machinery, Denver, Colorado, USA, 2017), 190–195. ISBN: 9781450346566. https://dl.acm.org/doi/abs/10.1145/3027063.3048432.

Manuscripts in Preparation

W1. Can Seckin†, O., **Truong†, Bao Tran**, Menczer, F. & Flammini, A. *Identifying sparks of productive conflict in social media discussions.*

W2. Muralidharan, R., **Truong, Bao Tran** & Ahn, Y.-y. *Community governance at scale: How server size shapes rule design on Mastodon*

W3. **Truong, Bao Tran**, Kim, S., Samieyan Sahneh, E., Nogara, G., Verdolotti, E., Just, N., Saurwein, F., Luceri, L., Giordano, S. & Menczer, F. *Delayed takedown of illegal content on social media makes moderation futile.*

Presentations

Talks

T1. **Truong, Bao Tran**, Lou, X., Flammini, A. & Menczer, F. *Vulnerabilities of the online public square to manipulation.* International Conference on Computational Social Science (Copenhagen, Denmark). July 2023.

T2. Pacheco, D., Hui, P.-M., Torres-Lugo, C., **Truong, Bao Tran**, Flammini, A. & Menczer, F. *Uncovering coordinated networks on social media: methods and case studies.* International AAAI Conference on Web and Social Media (Virtual). Apr. 2021.
 – International Conference on Computational Social Science (Virtual). July. 2020
 – NetSci (Virtual). Sept. 2020.

T3. **Truong, Bao Tran**. *Question Structures in a Minecraft Online Discussion Forum.* HCI Korea (Gangwon, South Korea). Mar. 2017.

Posters

P1. **Truong, Bao Tran**, Kim, S., Groesch, S., Verdolotti, E., Giordano, S., Just, N., Saurwein, F. & Menczer, F. *Quantifying the effects of time delay in illegal content takedown.* International Conference on Computational Social Science (Philadelphia, PA, USA). July 2024.

P2. **Truong, Bao Tran**, Allen, O. M. & Menczer, F. *News-sharing networks expose information polluters on social media.* International AAAI Conference on Web and Social Media (Virtual). July 2022.

Demonstrations & Tutorials

D1. Nascimento, F. S., Yang, K., **Truong, Bao Tran** & Zhao, W. *Exploring emerging social media: acquiring, processing, and visualizing data with Python and OSoMe Web tools.* International Conference on Computational Social Science (Philadelphia, PA, USA). July 2024.

D2. **Truong, Bao Tran**, Kim, S. & Nascimento, F. S. *Navigating the social media maze: recent research on social media.* Media Literacy Week (virtual). Nov. 2024.

Selected Media Coverage

| 2024 | The New York Times, The Anti-Vaccine Movement's New Frontier. (CoVaxxy) [C2] |
| 2024 | AP News, How a Kennedy built an anti-vaccine juggernaut amid COVID-19. (CoVaxxy) [C2] |

Research Experience

2023–	**Swiss NSF CARISMA grant**, remote
	Research assistant under Filippo Menczer and Silvia Giordano
2020–	**Observatory on Social Media**, Bloomington, IN, USA
	Research assistant under Filippo Menczer

Teaching

2021 –2020	**Data Fluency**, INFO-123, IU
	Assistant instructor — 50 students in 2020 edition; 57 students in 2021 edition
2022	**Social media manipulation 101**, IU
	Guest lecturer — *Web tool to visualize US Midterm Elections Cross-platform data*
2021	**Data Fluency**, INFO-123, IU
	Guest lecturer — *Machine learning methods to detect social media manipulation*
2018	**Computer Programming Design**, CSE219, SBU
	Assistant instructor — around 20 students
2017	**Foundations of Computer Science**, CSE215, SBU
	Assistant instructor — around 25 students

Academic Advising

2023   Oliver Melbourne Allen, now graduate student @Northeastern University

Academic Service

Reviewer   Scientific Reports, ACM Transactions on the Web, PeerJ Computer Science, EPJ Data
            Science
PC member   ACM Web Science Conference (WebSci) 2025, WebSci 2024, WebSci 2023
            International Conference on Computational Social Science (IC^2S^2) 2024
            International AAAI Conference on Web and Social Media (ICWSM) 2023, ICWSM
            2022

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