

# Bianca N.Y. Kang

📍 Pittsburgh, PA    ✉ biancak@andrew.cmu.edu    in bianca-kang    🌐 <https://kirillias.github.io/>

## Education

---

### Carnegie Mellon University

Aug 2024 – Present

*Ph.D. in Societal Computing*

- Advisor: Professor Kathleen M. Carley
- **Select coursework:** Computational Modeling of Complex Socio-Technical Systems, Intertextuality, Dynamic Network Analysis

### Nanyang Technological University

Jan 2018 – Feb 2020

*M.A. in Psychology (Research)*

- Advisor: Professor Ho Moon-Ho Ringo
- Thesis: A quantitative exploration of repeated advice-seeking on Reddit's r/relationships
- **Select coursework:** Independent study module on advanced statistical methods (e.g., multilevel modeling), agent-based modeling

### National University of Singapore

Aug 2012 – Jul 2016

*B.Soc.Sci (Hons with Distinction) in Psychology + University Scholars Programme*

- Thesis: Procedural hypnosis in gastroscopy procedures

## Experience

---

### Senior Analyst (Information)

Aug 2021 – Jul 2024

### Analyst (Information)

Feb 2020 – Aug 2021

*Defence Science and Technology Agency*

- Computational social science research on social media topics, also worked on multiple collaborations (e.g., CMU CS, NUS CNM).

### Intern (Information)

May 2019 – Aug 2019

*Defence Science and Technology Agency*

### Research Assistant (Psychology Division + Nanyang Business School)

Jul 2016 – Jan 2018

*Nanyang Technological University*

- Psychometrics research (e.g., factor analysis, structural equation modeling) on large multi-year datasets.

### Intern (Defence Psychology Division)

May 2015 – Jul 2015

*Ministry of Defence, Singapore*

### Research Assistant (Department of Psychology)

Nov 2014 – May 2016

*National University of Singapore*

- Statistical analysis for Ministry of Social and Family Development nationwide intervention study.

## Publications

---

- **Kang, B.N.Y.**, Ho, M.H.R., & Jaidka, K. (2025). [User features and gendered patterns in repeat online advice-seeking behavior](#). *Journal of Quantitative Description: Digital Media*, 5.
- Ho, M.H.R., Uy, M. A., **Kang, B.N.Y.**, & Chan, K. Y. (2018). [Impact of Entrepreneurship Training on Entrepreneurial Efficacy and Alertness among Adolescent Youth](#). *Frontiers in Education*, 3.
- Chan, K.Y., Ho, M.H.R., Kennedy, J., Uy, M., **Kang, B.N.Y.**, Chernyshenko, O., & Yu, T. (2017). [Who Wants to Be an Intrapreneur? Relations between Employees' Entrepreneurial, Professional, and Leadership Career Motivations and Intrapreneurial Motivation in Organizations](#). *Frontiers In Psychology*, 8.

## Chapters

---

- **Kang, B.N.Y.** & Uy, M. (2020). An Examination of Entrepreneurial, Professional and Leadership (EPL) Career Aspirations among Adolescent Youth. Book chapter in *Entrepreneurship-professionalism-leadership: A multidimensional framework for human capital and career development in the 21st century*.

## Conference Presentations

---

- **Oral: Kang B.N.Y.** & Carley, K.M. (2025). A man by any other name: a mixed-methods study of recontextualization in fanfiction. Fan Studies Network North America, Online, *submitted as an abstract*.
- **Poster: Kang B.N.Y.** (2024). Capturing Differences in Character Representations Between Communities: An Initial Study with Fandom. SBP-BRiMS, Pittsburgh, *submitted as a working paper*.
- **Poster: Kang B.N.Y.** & Ho, M.H.R. (2019). Do I stay? Exploring factors related to repeated advice seeking on a relationship advice forum. IC2S2, Amsterdam, *submitted as an abstract*.
- **Oral:** Ho, M.H.R., Uy, M.A., **Kang, B.N.Y.**, Tan, L.T.S., & Chan, K.Y. (2017). Impact of entrepreneurship training on entrepreneurial alertness and efficacy. ACERE, Melbourne, *submitted as a full paper*.

## Technical Reports

---

- Ng, L.H.X., **Kang, B.N.Y.**, & Carley, K.M. (2025). *Center for the Computational Analysis of Social and Organizational Systems. [AuraSight: Generating Realistic Social Media Data](#)*.

## Awards

---

- |  |                     |
|--|---------------------|
| <b>Defence Science and Technology Agency Postgraduate Scholarship</b>                    | <i>2024-present</i> |
| ◦ Full funding for the Ph.D.   |                     |
| <b>Nanyang Technological University Research Scholarship</b>                             | <i>2018-2020</i>    |
| ◦ Full funding for the M.A. (Research).  |                     |
| <b>Faculty of Arts and Social Sciences Dean's List, National University of Singapore</b> | <i>2012-2016</i>    |
| ◦ AY 2012/13 Semester 1, AY 2013/14 Semester 1, AY 2014/15 Semester 2.                   |                     |

## Teaching

---

- Guest lecturer, Psychology Divison, Nanyang Technological University:** *An Introduction to Text Analysis* for Advanced Quantitative Methods, Fall 2021.
- TA during MA (Research)** for: Fundamentals of Social Science Research, Research Design and Data Analysis in Psychology, Psychological Testing.

## Service

---

- Reviewer:** Computational and Mathematical Organization Theory (2025-present).
- Internship mentor:** Mentored an undergraduate intern for a 2023 summer research project *Analyzing narrative shifts on Reddit*, Defence Science and Technology Agency.