

# JUSTIN KEY CANFIL

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## APPOINTMENTS

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<b>Harvard University Belfer Center</b> <i>Predocctoral Research Fellow, Cyber Project</i>	2020-Present
<b>University of Southern California</b> <i>US-Asia Grand Strategy Program Fellow, KSI</i>	2020-Present
<b>Kent State University</b> <i>Instructor, Global Security Program</i>	2016-Present
<b>Columbia University</b> <i>Undergraduate Advisor, Political Science Dept.</i>	2018-2019

## EDUCATION

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<b>Columbia University</b>	PhD in Political Science, 2021 (exp)
Specializations:	International relations, public law
Research Interests:	International law, security, cyber, emerging tech, arms control, foreign policy
Dissertation Project:	<i>How International Law Keeps Pace with Technological Change</i> (monograph)
Committee:	Andrew Nathan, Jack Snyder, Allison Carnegie
<b>Columbia University</b>	MPhil in Political Science, 2017
<b>Columbia Law School</b>	Visiting, 2015-2016
<b>Columbia University</b>	MA in Political Science, 2016
<b>University of Oxford</b>	Visiting, 2010
<b>The Ohio State University</b> ( <i>summa cum laude</i> )	BA in Political Science, 2010

## INSTITUTIONAL AFFILIATIONS

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<b>Fudan University</b> (Shanghai, China) <i>US Fulbright Scholar</i> (on hiatus due to SARS-CoV-2)	2019-Present
<b>Wilson Center</b> <i>Resident Fellow, Kennan Institute</i>	2019-2020
<b>London School of Economics</b> <i>Visiting Scholar, Dept. of Law</i>	2019
<b>Peking University</b> <i>Visiting Scholar, CSL</i>	2018

## **PEER-REVIEWED ARTICLES**

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- [1] "Honing Cyber Attribution: a Framework for Assessing Foreign State Complicity," *Journal of International Affairs* (JIA), Vol. 70 No. 1 p. 217-226, January 2017.

## **BOOK CHAPTERS**

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- [1] "Strategic Uncertainty as an Impediment to Cyber Law," *Digital Technologies and Global Politics*, Andrew Calderaro and Madeline Carr (eds.), Rowman and Littlefield (forthcoming).
- [2] "Innovation & Organizational Politics in the United States Air Force." *Contemporary Military Strategy*. Ryan Burke (ed.), Georgetown University Press, 2018.

## **WORKS IN PROGRESS**

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- [1] "Controlling the Future: Explaining Anticipatory Bans" (under peer review)
- [2] "Outsourcing Cyber Power: Why Proxy Conflict in Cyberspace May No Longer Pay" (under peer review)
- [3] "Is Less Ever More? How International Law Keeps Pace with Tech Change" (working paper)
- [4] "Whose Legalization? Caselaw Precedent in International Law" (working paper)
- [5] "Debate Hall vs. Echo Chamber: Do Cyber Norms Proposals Work?" (working paper)
- [6] "US Media Coverage of Rival Space Programs, 1957–2019" (working paper)
- [7] "Does Institutionalization Affect Norm Uptake? Lessons from Space and Cyber" (in progress)
- [8] "Do Legal Gray Zones Promote or Inhibit Adventurism?" (in progress)

## **OPINION & COMMENTARY**

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- [1] "The US Knew the Soviets Would Cheat on the Test Ban. Why Resume Testing Now?" War on the Rocks, Jul 8 2020.
- [2] "Tear Gas is a 'Weapon of War' Under International Law. Why is it Being Used to Quell Protests?" Lawfare, Jun 19 2020.
- [3] "The U.S. Will Exit The 'Open Skies' Treaty and It's Unclear Why." Lawfare, June 3 2020.
- [4] "50 Years After Apollo 11, China Is on Deck to Land Next. That Doesn't Have to Be a Bad Thing," The Diplomat, July 19 2019.
- [5] "Lessons on History and Statecraft," with Lauren Dickey et al. War on the Rocks, August 9 2016.

## **WHITE PAPERS & POLICY PUBLICATIONS**

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- [1] "Cyber Law: Chorus or Cacophony?" IMEMO-Harriman Institute Working Paper Series, 2020.
- [2] "Tracking Space Media Coverage," IMEMO-Harriman Institute Working Paper Series, 2019.
- [3] "Defense Forecasting and Anticipatory Regulation," SIPA Cyber Policy Working Paper Series, Carnegie Corporation of New York, 2019.
- [4] "The Law and Ethics of Cyber Conflict: What Do We Know?" Cyber State of the Field 2017 Report (and series editor). Cyber Conflict Studies Association, 2018.
- [5] "Trilateral Arms Control," IMEMO-Harriman Institute Working Paper Series, 2019.
- [6] "Intelligence and Adversaries: What Do We Know?" Cyber State of the Field 2016 Report. Cyber Conflict Studies Association, 2017.

- [7] "Cybersecurity and the Law: Mitigating Cyber Risk." The French-American Foundation Cyber Law Series, February 2016.
- [8] "Strait Talk: Policy Prescriptions for the Taiwan Strait," with Eileen Xiao et al. Japan Policy Research Institute, April 2013. Translated into simplified and traditional Chinese.

**EXTERNAL RESEARCH GRANTS & AWARDS (\$282,000)**

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National Science Foundation DDRIG, Law & Science	\$32,400
J. William Fulbright Scholarship for Research in China	\$25,000
Carnegie Corporation Cybersecurity Grant (x2)	\$17,000
University of Southern California KSI Predoctoral Fellowship	\$32,000
FLAS Academic Year Fellowship (Chinese) (US Department of Education)	\$20,000
Title VIII Scholarship, Wilson Center (US Department of State)	\$3,500
Chiang Ching-kuo Foundation Fellowship	\$20,000
LSE Partnership Mobility Fellowship	\$3,000
Gerald Ford Foundation Research Grant	\$1,900
LBJ Foundation Moody Research Grant	\$3,000
Tokyo Foundation Sasakawa Grant (x3)	\$6,750
Tokyo Foundation Sylff Research Grant	\$4,500
Center for Public Diplomacy Fieldwork Grant	\$2,500
GTI Taiwan Scholarship	\$10,000
Cordier Award, Journal of International Affairs (1st place)	\$1,000
RAND Corporation PhD Summer Associateship ( <i>declined</i> )	\$13,500
Taiwan Fellowship, ROC Ministry of Foreign Affairs ( <i>declined</i> )	\$20,000
Hosei University Foreign Scholars Fellowship in Law ( <i>declined</i> )	\$18,000
National Bureau of Asian Research PhD Fellowship ( <i>declined</i> )	\$48,000

**COMPETITIVE INTRAMURAL AWARDS (\$190,000)**

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Weatherhead Institute V. Wellington Koo Fellowship	\$29,000
Harriman Institute Pepsico Academic Year Fellowship	\$33,000
Dean's Fellowship, Columbia University	\$33,000
Harriman Institute Padma Desai Fellowship	\$5,000
CELLS Experimental Research Grants (x2)	\$4,000
Columbia Political Science Dissertation Development Grant	\$2,000
Columbia GSAS Dissertation Fellowship	\$31,000
Weatherhead Institute Daniel and Marianne Spiegel Fund Grant	\$2,000
Teagle Fellowship for Innovative Teaching	\$3,000
John Glenn School of Public Affairs Scholarship	\$1,000
Katerina Alevizaki Dracopoulos Fellowship	N/A
Harriman Institute Pepsico Summer Award ( <i>subsequent offer</i> )	\$3,000
Harriman Institute Pepsico Summer Award ( <i>declined</i> )	\$3,000
Columbia GSAS Lindt Fellowship ( <i>alternate</i> )	\$33,000
Columbia GSAS Presidential Teaching Award ( <i>nominated</i> )	\$8,000

**PRESENTATIONS AND INVITED TALKS**

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SPSA (San Juan), QuantLaw (Tucson), INCITE Experimental Workshop (NY), NYU Chinese Political Economy Workshop (NY), Center for Security and Emerging Technology (DC), Tufts Symposium in Cybersecurity Policy (Boston), NYU-CESS, AI (for) Governance (Lausanne), IMEMO (Moscow), ISA (Honolulu), Law & Society Association (Denver), Yonsei ISA (Seoul), APSA (San Francisco), NYU IR Reading Group, Yale Virtual IPE Workshop, Oxford FHI, University of Southern California (LA) 2020

Bridging the Gap Cyber Workshop (NYC), Penn China and IR Workshop (Philadelphia), ISSS-IS (Denver), Public Law IdeaLab 2.0 (Austin), University of Hamburg (Hamburg), University of New South Wales CIBEL (Sydney), ISA (Toronto), Institute of World Economy and International Relations (Moscow), Tufts Symposium in Cybersecurity Policy (Boston)	2019
University of Pennsylvania China and IR Workshop (Philadelphia), The Hague Program for Cyber Norms Conference (The Hague), Cato Institute (Washington DC), APSA (Boston), ISA (San Francisco), University of International Business and Economics (Beijing), Institute of World Economy and International Relations (Moscow)	2018
UT Austin Public Law Conference (Austin), APSA (San Francisco), University of Pennsylvania Perry World House (Philadelphia), Cyber Conflict Studies Association (New York), Combating Terrorism Center (West Point), Stanford Center at Peking University (Beijing), UC Berkeley	2015- 2017

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### TEACHING EXPERIENCE

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<b>Kent State University</b>	<i>Adjunct Professor</i>
<i>JUS 66761: Law, Justice, and Society</i>	2019, 2020, 2021
<i>JUS 57004: Legal Perspectives</i>	2019, 2020, 2021
<i>CRIM 56709: Emerging Trends and Issues</i>	2020
<i>CRIM 66763: Theories of Crime and Violence</i>	2019
<i>CRIM 57002: Service Agencies and the Law</i>	2018
<i>CRIM 57003: Restorative Justice</i>	2018
<i>CRIM 56801: Homeland Security Policy</i>	2017, 2018
<i>CRIM 56802: Terrorism and Counterterrorism</i>	2017, 2018
<b>Columbia Law School</b>	<i>Head Teaching Assistant</i>
<i>LAW 8214: Technology Ethics (Susan Liautaud)</i>	2019
<b>Columbia College</b>	<i>Head Teaching Assistant</i>
<i>POLS 4871: Chinese Foreign Policy (Andrew Nathan)</i>	2016, 2017, 2018
<i>HRTS 3001: Intro to Human Rights (Andrew Nathan)</i>	2017
<i>POLS 3322: The American Congress (Greg Wawro)</i>	2015
<b>Columbia School of International and Public Affairs</b>	<i>Teaching Assistant</i>
<i>INAF 6871: War, Peace, and Strategy (Richard Betts)</i>	2016
<b>Other</b>	<i>Guest Lecturer</i>
"Cyber Conflict 101," POLS 3962, Columbia University (Allison Carnegie)	Mar 29 2018
"Is International Law 'Law'?" HRTS 3001, Columbia University (Andrew Nathan)	Sep 17 2017
"Security Issues in US-China Relations." Stanford CISAC	Oct 2014

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### PROFESSIONAL EXPERIENCE

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<b>French-American Foundation</b> , Cyber Programs Consultant	2014-2016
<b>Council on World Affairs</b> , Program Officer (International Education)	2011-2013
<b>Political Operative</b> (various campaigns)	2010-2012
<b>United States Congress</b> , Public Policy Fellow	2010-2011
<b>Canadian Parliament</b> , Intern	2010
<b>Cuyahoga County Board of Elections</b> , Presiding Judge	2008-2010

## **RESEARCH ASSISTANCE**

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Jason Healey, Columbia SIPA	Editorial work	Spr 2018
Allison Carnegie, Saltzman Institute of War and Peace Studies	Formal modeling	2016-2017
Timothy Frye, Harriman Institute	Data collection/analysis	Spr 2016
Richard Crepage, World Affairs Councils of America	Grantwriting	Spr 2012
Alexander Thompson, Ohio State University	Data collection	2011-2012

## **ACADEMIC SERVICE**

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### **Volunteer Appointments**

<i>Fulbright Specialist</i> (rostered), US Department of State ECA	2020-2023
<i>Co-Coordinator</i> , Columbia University International Politics Seminar (CUIPS)	2015-2017
<i>Peer Teaching Consultant</i> , Columbia Center for Teaching & Learning (CTL)	2015-2016
<i>Officer</i> , Columbia Political Science Graduate Student Council	2015-2016

### **Peer Reviewer**

*Journal of Cybersecurity*

### **Panels Organized**

“Arms Control for Emerging Technologies: Problems and Prospects.” ISA 2021. With Elsa Kania, Andrew Futter, Matthijs Maas, Julia MacDonald, Andrew Reddie, Jane Vaynman, Heather Williams, and Maaïke Verbruggen – (under review)	Apr 2021
“Technology, Security, & Public Opinion.” ISA 2021. With Chris Fariss, Michael Horowitz, Nadiya Kostyuk, Erik Lin-Greenberg, Miguel Gomez, Yuree Noh, and Christopher Whyte – (under review)	Apr 2021
“Policy Ambiguity Across Subfields.” With Jieun Kim, Pam McCann, Sharyn O’Halloran, Chuck Shipan, Jeff Staton, Rachel VanSickle-Ward – (postponed)	Aug 2020
“Cooperation, Stability, and Technology Contestation.” With Geoff Herrera, Elsa Kania, Andrew Reddie, Heather Williams – (postponed)	Aug 2020
“The Challenge of Emerging Technologies for Law, Norms, and Arms Control.” 2020 International Studies Association Conference. With Elsa Kania, Rita Konaev, Julia MacDonald, Andrew Reddie, Heather Roff, Jane Vaynman – (postponed)	Mar 2020
“Understanding How Society Responds to Cyberattacks.” 2019 Bridging the Gap Workshop on Cyber Conflict (New York). Monica Kaminksa, Andrew Reddie, Harry Oppenheimer, Michael Fischerkeller	Nov 2019

### **Public & Policy Outreach**

“China, Tech Competition, & Escaping the Prism of the Cold War,” with Lorand Laskai. Conversation Six (forthcoming).	Sep 2020
“Technology, Citizenship, and Governance,” Law & Society Association, Denver (Chair)	May 2020
“Conflict and Cooperation in US–Russia Security Relations – Cybersecurity,” Harriman Institute, New York (Chair). Keir Giles, Erica Borghard, Peter Clement (panelists)	Mar 2018

“International Law for Cyber: What Do We Know?” Cyber State of the Field (Law & Ethics), Cyber Conflict Studies Association, New York. With Harvey Rishikoff. Jun 2017

“Cyber Intelligence Tradecraft: What Do We Know?” Cyber State of the Field (Intelligence & Adversaries). Cyber Conflict Studies Association, New York. With Neil Pollard. Jun 2016

### SPECIALIZED TRAINING AND WORKSHOPS

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YPFP US-China Futures Project: Technology Governance Working Group	2020
Arms Control Negotiation Academy (ACONA) Fellowship ( <i>shortlisted</i> )	2020
Synchronous Teaching Engagement Workshop (Kent State University)	2020
Empirical Implications of Theoretical Models/EITM (Emory)	2019
IQMR - Open Pool Competition Award (Syracuse University)	2019
Philip Merrill Center Summer Study on US-China Relations (UCSD, <i>deferred</i> )	2018
Bridging the Gap NEFP Conference (American University)	2017
Summer Seminar on History and Statecraft (UT Austin)	2016
SWAMOS (Cornell University)	2016
ICPSR (University of Michigan)	2015
Innovative Teaching Summer Institute (Columbia)	2015
Forum for American-Chinese Exchange (Peking University)	2015
Forum for American-Chinese Exchange (Stanford)	2014
Strait Talk Conflict Resolution Symposium (UC Berkeley)	2013

### TECHNICAL SKILLS & FIELDWORK EXPERIENCE

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<b>Programming</b>	[R], $\LaTeX$ , Stata, APMonitor, Mathematica, Ruby (basic), Python (basic), Gurobi (basic), Qualtrics, oTree, Mechanical Turk, HTML/CSS
<b>Languages</b>	English (competent), Mandarin Chinese (passable), Japanese (risible)
<b>Fieldwork</b>	Washington DC/NARA (2019, 2020), Taipei (2018), Moscow (2018, 2019), British National Archives/PRO (2019), Reagan Library (2019), Nixon Library (2019), Ford Library (2019), Carter Library (2019), Garmisch (2019), Beijing (2018), LBJ Library (2018), The Hague (2018), Brussels/NATO (2018), Geneva/CCWC/UNIDIR/ICRC (2018), IGF Paris (2018), London (2018)

### REFERENCES

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