

# GMU'S AI STRATEGIES TEAM

## **ARTIFICIAL INTELLIGENCE: TRADE-OFFS FOR SECURITY, ETHICS, AND HUMAN RIGHTS**

*A Kick-off Event for the 2023 AI  
Tech and Policy Summer Institute*



## **AI STRATEGIES**

...

A Minerva Funded Grant Project  
on AI Infrastructures and  
Their Consequences in Global Contexts

*Sponsored by:*



Institute for Philosophy  
and Public Policy  
George Mason University



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# EVENT AGENDA

Monday, May 22nd

6:30PM - 8:30PM

GMU Mason Square, Multipurpose Room

## Welcome and Opening Remarks

6:30 Welcome and Opening Remarks

Andre M. Marshall

## Keynote

6:40 David Bray

“Why trust matters in AI? How can we achieve it?”

## Panel

7:00 Panel

Introduction: Amarda Shehu

Moderator: J.P. Singh

Panelists:

Jacqueline Acker

Denise Garcia

Branka Panic

Neil Johnson

David Bray

# SPEAKER BIOS

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## **Andre W. Marshall**

Andre W. Marshall is Vice President for Research, Innovation, and Economic Impact at George Mason University and President of the George Mason Research Foundation. As the university's senior research officer, Dr. Marshall provides overall leadership for the portfolio of research, innovation, and economic development activities. Marshall joined George Mason University from the National Science Foundation, where he served as Program Director for the Industry-University Cooperative Research Center (IUCRC) and Innovation Corps (I-Corps™) programs. Prior to NSF, Dr. Marshall served on the faculty at the University of Maryland, College Park in the Department of Fire Protection Engineering where he founded the Fire Testing and Evaluation Center (FireTEC) and launched a tech-startup. Dr. Marshall is a faculty member in the Mechanical Engineering Department of the Volgenau School of Engineering. His research and teaching interests are centered around experimental characterization and computational evaluation of complex turbulent reacting flows and sprays. Dr. Marshall began his college career at Georgia Tech receiving a BME and MS in mechanical engineering in 1991 and 1992, respectively. In 1996, he completed his PhD in mechanical engineering at the University of Maryland, College Park.



## **David Bray**

Dr. David Bray is both a Distinguished Fellow at the non-partisan Henry L. Stimson Center, Distinguished Fellow with the Business Executives for National Security, and a CEO and transformation leader for different “under the radar” tech and data ventures. He has served in a variety of leadership roles in turbulent environments, including U.S. bioterrorism preparedness and response from 2000-2005, Executive Director for a bipartisan National Commission on R&D and the U.S. Intelligence Community, providing leadership as a federal agency Senior Executive, work with the U.S. Navy and Marines on improving organizational adaptability, and with U.S. Special Operation Command's J5 Directorate on the challenges of countering disinformation online. He has received the Joint Civilian Service Commendation Award and the National Intelligence Exceptional Achievement Medal. Business Insider named him one of the top “24 Americans Who Are Changing the World” under 40 and he was named a Young Global Leader by the World Economic Forum. For twelve different startups, he has served as President, CEO, Chief Strategy Officer, and Strategic Advisor roles.





# SPEAKER BIOS

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## **Jacqueline Acker**

Ms. Jacqueline “Jackie” Acker started at CIA in 2013, serving in data management roles prior to joining the Office of Privacy and Civil Liberties since 2018. She has held a variety of positions, including Associate Privacy and Civil Liberties Officer and Deputy Privacy and Civil Liberties Officer. Ms. Acker graduated from the University of Tulsa in 2013 with a Juris Doctorate with a Health Law Certificate after receiving a Bachelor of Fine Arts from the University of Texas at Austin in Theater with a focus in scenic design. Ms. Acker is also an adjunct professor of Data Privacy and Cybersecurity at American University’s Washington College of Law for the Master of Laws program.



## **Denise Garcia**

Denise Garcia is a Professor at Northeastern University and a founding faculty member of its Experiential Robotics Institute. She is formerly a member of the International Panel for the Regulation of Autonomous Weapons (2017-2022), currently of the Research Board of the Toda Peace Institute (Tokyo) and the Institute for Economics and Peace (Sydney), Vice-chair of the International Committee for Robot Arms Control, and member of the Institute of Electrical and Electronics Engineers Global Initiative on Ethics of Autonomous and Intelligent Systems. She was the Nobel Peace Institute Fellow in Oslo in 2017. A multiple teaching award-winner, her recent publications appeared in *Nature*, *Foreign Affairs*, *International Relations*, and other top journals.

Denise's book "The AI Military Race, Common Good Governance in the Age of Artificial Intelligence" (to be released this year, published by Oxford University Press) examines the complexities entailed in creating a global framework to govern the military use of Artificial Intelligence (AI) by proposing inclusive and humane ways to forge cooperation. The book introduces three novel humanist conceptions: common good governance, transnational networked cooperation, and humanity's security. This academic volume is the first to survey the threats to peace in the shifting world order by investigating the current patterns and trends in the global use of, and investment in, militarizing AI and the development of autonomous systems. Garcia weaves in an insider participant-observer focus on the decade-long high-level diplomatic attempts to set limits in autonomy in weapons systems – known as ‘killer robots’ – and offers a path for the creation of an international treaty on autonomous weapons, and ways to create common good governance for the militarization of AI.



# SPEAKER BIOS

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## **Branka Panic**

Branka Panic is the Founder and Executive Director of AI for Peace, a nonprofit ensuring artificial intelligence benefits peace, security, and sustainable development and where diverse voices influence the creation of AI and related technologies. She is a co-founder and Board Member of the Center for Exponential Technologies, connecting policy and the tech world and a member of the IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems, Working Group on Power and Technology. Branka is a political scientist, expert in international security, international development policy, and peacebuilding. She is also a passionate advocate for positive peace with 13 years of global experience in the humanitarian, peace, and development fields. Branka holds a M.A. in International Development Policy from Duke University, Sanford School of Public Policy, and a M.A. in International Security from the University of Belgrade. She also studied International Peace and Conflict Resolution at the University of North Carolina.



## **Neil Johnson**

Neil Johnson founded and leads the Dynamic Online Networks Lab ([donlab.columbian.gwu.edu](http://donlab.columbian.gwu.edu)) at George Washington University where he is a professor in physics. His research uses the latest cross-disciplinary research in Complexity and Network Science to attack real-world problems in new ways. He is a Fellow of the American Physical Society (APS) and the recipient of the APS' Burton Award. He was previously Professor of Physics at Oxford University. He received his BA from Cambridge University and his PhD as a Kennedy Scholar from Harvard University. He presented the Royal Institution Lectures "Arrows of Time" on BBC TV in 1999. He has published more than 300 research papers across a wide variety of topics. His books include Financial Market Complexity (Oxford University Press) and Simply Complexity (Oneworld Publications).



# ABOUT AI STRATEGIES

## Who are we and what do we do?

AI Strategies looks at how cultural values and institutional priorities shape artificial intelligence infrastructures in national and global contexts, in order to better understand the effects of comparative AI contexts for security.

AI Strategies is funded by a three-year, \$1.39 million grant that was awarded to George Mason University to study the economic and cultural determinants for global artificial intelligence (AI) infrastructures—and describe their implications for national and international security. The team began work on the project on April 15th, 2022.

The grant was awarded by the Department of Defense's esteemed Minerva Research Initiative, a joint program of the Office of Basic Research and the Office of Policy that supports social science research focused on expanding basic understanding of security.

## Where can you find us?

Keep up with the work of our team on our website: [aistrategies.gmu.edu](https://aistrategies.gmu.edu)

Find our monthly newsletter on Substack: <https://aistrategies.substack.com/>

For additional questions and contact email us at: [aipolicy@gmu.edu](mailto:aipolicy@gmu.edu)

# AI STRATEGIES TEAM

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**J.P. Singh** (Principal Investigator) J.P. is Distinguished University Professor and Co-Director of the Center for Advancing Human-Machine Partnership at George Mason University. He is also Richard von Weizsäcker Fellow with the Robert Bosch Academy, Berlin. He works at the intersection of technology, culture and political economy in global contexts examining transformative impacts from provision of telephone service in poor countries, to the use of AI in global value chains in cutting-edge industries. J.P. has consulted or advised international organizations such as the British Council, UNESCO, the World Bank, and the World Trade Organization, and conducted field research in 36 countries. His current book project explores AI and innovation in Germany, India, and the United States. A winner of numerous research awards and fellowships, he has written 10 books and over 100 scholarly articles.



**Amarda Shehu** (Co-Principal Investigator) is a Professor of Computer Science and Associate Vice President of Research for the Institute of Digital InnovAtion. During 2019-2022, Amarda co-directed the Transdisciplinary Center for Advancing Human-Machine Partnerships and served as an NSF Program Director in the CISE Directorate. Amarda considers herself an interdisciplinary scientist. Her research record includes foundational advances in AI, Machine Learning, and Algorithmics, and purposeful research that pushes the barriers of our understanding of the physical world. Amarda has a galvanizing view of computing and relentless energy and advocacy for the advancement of knowledge across scientific disciplines and the improvement of the human condition.



**Michael Hunzeker** is an associate professor at George Mason University's Schar School of Policy and Government, the associate director of the Schar School's Center for Security Policy Studies, and a Senior Non-Resident Fellow at the Center for Strategic and Budgetary Assessments. A former Marine Corps officer, he works on conventional deterrence, defense reform, and organizational learning.



# AI STRATEGIES TEAM

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**Antonios Anastasopoulos** is an assistant professor at George Mason University's Computer Science Department. He is interested in various aspects of multilingual Natural Language Processing and Machine Learning, with a main focus on Machine Translation and Speech Recognition for endangered languages and low-resource settings in general.



**Jesse L Kirkpatrick** is a Research Associate Professor and the Acting Director of the Institute for Philosophy and Public Policy at George Mason University. He is also an International Security Fellow at New America and serves as a consultant for numerous organizations. His research is interdisciplinary, cutting across such fields as Philosophy, Political Science, Public Policy, and the Life and Computer Sciences. At its core, it aims to explore two central, interrelated themes: (1) how a suite of technologies, singularly and in convergence, impact peace and security, and (2) what the ethical, social, and policy implications of these impacts may be.



**Manpriya Dua** Manpriya Dua is a PhD student in the Department of Computer Science at George Mason University. Her research centers Machine Learning, focusing on Deep Learning architectures for Natural Language Processing (NLP). She holds a Master's in Science degree in Computer Science from George Mason University, and has worked with Palo Alto Research Center on a DARPA project investigating the use of NLP methods for military defense strategy.





# AI STRATEGIES TEAM

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**Caroline Wesson** (Project Manager) is a PhD candidate and Presidential Scholar studying Political Science at George Mason University. She is currently working on her dissertation which focuses on science and innovation policy, with a focus on innovation clusters in different global contexts. Caroline holds a B.S. and M.S. in International Affairs from the Georgia Institute of Technology and has worked in research positions at RAND, the Center for Strategic and International Studies (CSIS), and the World Bank.



**William "Webby" Applegate** is an MA student in Philosophy at George Mason University and a Graduate Research Assistant for the Institute for Philosophy and Public Policy. His research is mainly focused around two questions: how to make good decisions; and how to run a country well. Webby holds a BA in Philosophy and a minor in Economics from Wittenberg University. In addition to his research position, William has experience in multiple startup companies and is currently working on his thesis on philosophy and uncertainty.



**Vasilii Nosov** Vasilii Nosov is a PhD in Public Policy student at Schar School and a Graduate Research Assistant at the Center for Advancing Human-Machine Partnership. His research interests lie in the intersection of economics, international relations, and institutional and technological transfer. Vasilii holds a Master of Science degree in Economics from Tufts University.



# AI TECH & POLICY SUMMER INSTITUTE

## About

The AI and Tech Policy Summer Institute is designed to introduce Master's and Doctoral students in social sciences, humanities, and select professional schools to the following:

- Fundamental engineering concepts about how AI works
- Policy and regulatory frameworks that are evolving to govern AI
- Debates on AI ethics
- Issue areas including security, economic, and human rights concerns from local to global levels

Our current 2023 cohort of Summer Institute fellows has already been selected, you can find their bios in the following pages of this booklet. They range in academic discipline, career background, and research interests.

The AI and Tech Policy Summer Institute will provide opportunities for our selected cohort of students to work with leading scholars, industry experts, government officials, and civil society activists working on AI issues. Throughout the training program students will develop research projects and ideas with one another they can carry into the following academic year with long-term mentorship opportunities as AI & Tech Policy Fellows with GMU's Center for Advancing Human-Machine Partnership.

*This event is co-sponsored by the Institute for Digital Innovation, Center for Advancing Human-Machine Partnership, and the Institute for Philosophy and Public Policy.*

# 2023 AI TECH AND POLICY FELLOW BIOS

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**Bat Bassan** is a devoted expert, boasting extensive experience in computer modeling, and both quantitative and social science research. His career initiated in Ulaanbaatar, Mongolia, where he functioned as a contributing economist for “For A Healthy Society”, a local NGO conducting research on economic inequality and rural development. His academic pursuits took him to George Mason University, where he later explored Internet of Things and data privacy as a Research Assistant, studying the nexus between technology and public safety. He is currently working towards his doctorate, concentrating on the effects of agentization on trade theory. Bat communicates effectively in English, Mongolian, and has an intermediate in Russian.

**Jalen Blackshire** My name is Jalen Blackshire and I am currently working on my Master of Public Policy with a focus in International Security at the Schar School at George Mason University. Prior to my studies at George Mason University, I received my Bachelor's Degree in History with a minor in Geography from Bowie State University in 2020. For the past 3-years, I have worked within the Intelligence Community in the Department of Defense in various roles regarding developing agency policies. Upon receiving my master's degree, I plan to use my multiple levels of expertise to aid strategic competition efforts.

**Damon Dade** is a doctoral candidate in George Mason's SCHAR School of Policy and Government expected to graduate in Summer 2023. Mr. Dade has a research focus on emerging technologies and their impacts on society. His dissertation, Ethical and Regulatory Frameworks to Support Trustworthy Artificial Intelligence in Healthcare, investigates the three factors of economics, technology, and public policy on the diffusion of trustworthy AI in healthcare. His dissertation takes an interdisciplinary approach to understanding the challenges faced by regulators and policy makers in providing adequate oversight that helps to ease the ethical concerns of stakeholders in a 360-degree perspective. The primary focus of Mr. Dade's future research is the implementation of emerging technologies to mitigate known issues in society. Novel technology diffusion has the potential to help move several legacy industries to their next version via evolution based on new technology use cases. The research focuses on the healthcare industry and how emerging technologies can be deployed to increase industry performance and patient experience.





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**James Day** is a Political Science PhD student and an active-duty US Air Force officer. He is a combat fighter pilot with 2,100 flight hours in the F-16, T-6, T-37, and T-38. He has served as a squadron commander, instructor and demonstration pilot, and strategic planner on the Joint Staff, Air Staff, and Office of the Secretary of Defense staff. James completed ROTC at Wheaton College with a degree in Political Science. He graduated from the Air Force Intern Program, the Army's School of Advanced Military Studies, and Air War College, with master's degrees from George Washington University, US Army Command and General Staff College, and Air University. James's research focuses on strategies for Sino-American strategic competition, and the use of military force in competition short of armed conflict.



**Dhruv Deepak** is a third year PhD student in George Mason University's Sociology program, where he researches power dynamics at the intersection of society and technology. His professional background, with 15 years' consulting and foresight advisory experience in the Middle East's emerging technology, energy and public sector innovation spaces, has seen him execute cutting-edge technology policy work in domains such as space exploration, food security, climate change and AI. Dhruv coordinates the GMU Arlington Fellows Programs and currently serves as a researcher at the Center for Social Science Research's Next System Studies (NSS) program. He is the project manager for one of NSS' exciting new forays into technology & society research, the Virginia Digital Commonwealth (VDC) project.



**Victoria Glasglow**, AICP, is pursuing her Master of Public Policy with a concentration in Science and Technology policy. She graduated with her Bachelor's in Urban Planning from the University of Virginia and worked as a practicing planner before moving to the DMV. She hopes to combine her passions for energy policy and multimodal transportation to discover new infrastructural solutions for broader power challenges using AI and emerging technologies. When not studying, Victoria is exploring cities on her bicycle.



# 2023 AI TECH AND POLICY FELLOW BIOS

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**Ashish Hingle** (he/him) is an Information Science and Technology Ph.D. student in the College of Engineering and Computing at George Mason University. His research interests include technology ethics, interactions and networking in online communities, and student efficacy challenges in higher education. He studies how technology shapes opportunities for people worldwide and the intersections of their identities. He received his bachelor's degree in Information Systems and master's degree in Information Assurance (Cybersecurity - Forensics - Audit) from sunny Cal Poly Pomona (Pomona, CA).



**Pete Larsen** is an experienced executive-level Middle East, South Asia, and Defense policy professional. Since April 2022, he has been a faculty member at the National War College. With a background in policy formation and execution, he has served as the Director for South Asia Regional Affairs on the National Security Council at the White House, where he played pivotal roles in both the Trump and Biden administrations. Prior to this, he held staff assignments within the Joint Staff's Deputy Directorate for Middle Eastern Affairs at the Pentagon, and as a pol-mil advisor to the Assistant Secretary of the Near Eastern Affairs Bureau at the Department of State.



**Tareque Mehdi** is a Ph.D. candidate in Education at Mason's College of Education and Human Development. His primary specialization is in Teaching and Teacher Education, and his secondary specialization is Interdisciplinary. He holds an M.Ed. and B.Ed. from Bangladesh. A certified instructional designer, Tareque has technical skills in designing, developing, and implementing engaging and effective learning experiences. He also designed the CEHD's first online graduate orientation platform, "The Graduate Prelude." Tareque has experience working in developing nations, managing large grant-funded development programs. His research interests intersect teacher education, Edtech strategies, and international development. He published and presented several research in esteemed conferences. He is also one of the editors of the TPACK framework on Wikipedia. In his free time, Tareque loves to travel, and his hobby is graphic designing.



# 2023 AI TECH AND POLICY FELLOW BIOS

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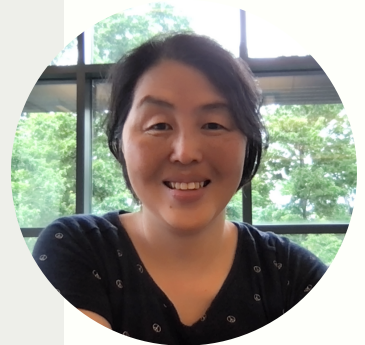
**Anderson Miles** is a full-time student at George Mason University. He is obtaining his master's in International Security, with a concentration in intelligence. Miles is currently studying Asian affairs and emerging technologies. For class, he has written a research paper on the Chinese Censorship Policy and a paper on why governments would not use the Darknet to attack each other. Miles has also written a policy memo on the importance of Starlink satellites in the Ukraine war. Prior to attending GMU, Miles had an internship with the Basic and Applied Social Science Division at Keuka College as a head research assistant to create a database for internship opportunities for Political Science students. Miles has presented a conference paper on the effectiveness of violence in protest movements at the New York Political Science Association. Miles holds a bachelor's degree in Political Science and History from Keuka College.



**Riggs Ordonez** is a graduating master's student at the Schar School. He majored in International Security with a concentration in intelligence and opted to add a graduate certificate in Science, Technology, and Security. He is also an alumnus of the College of Humanities and Social Sciences at GMU. He has previously interned with the Organization of American States, so he knows of challenges facing the Western Hemisphere. He also has focused on security issues in East Asia. He is interested in cybersecurity, nuclear policy, and emerging technologies. He is currently looking for opportunities to work in the National Security field.



**Kate Park** is a Ph.D. candidate majoring in Literacies, Culture, and Reading Education at George Mason University. With over 15 years of teaching experience in public schools, she has developed a keen proficiency in developing curriculums and measures in language learning and cultural studies. She has also worked as a Graduate Research Assistant on a federally funded educational project and has worked on collecting and analyzing quantitative and qualitative data. With expertise in designing and researching digital learning for language learners, she is dedicated to advancing the field of education through research and practical application.



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**Sneha Patel** is a Master of Science in Health Informatics student at George Mason University. She earned her Doctor of Dental Surgery degree from Texas A&M School of Dentistry in 2016 and practiced dentistry for over 6 years. She has a passion for emphasizing mouth-body connection and supporting integrated care. Utilization of various electronic health records piqued her interest in informatics. She hopes to manifest her passion through a new avenue, learning about the intersection of health information and technology.



**Xhulia Rapo** is originally from Albania and just finished her first year of the Master in Public Policy program at the Schar School of Government at GMU. Her emphasis is economics and gender equality, with a keen interest in AI's transformative potential. In the future, she would love to work in promoting inclusive policies and fostering sustainable growth in communities. Xhulia is an avid reader and enjoys delving into research and literature to stay informed and fuel her passion for creating positive change. She has a special love for arts and music, and in her free time, you will probably find her visiting museums around the DC area.



**Josh Rose** is a graduate student in the Schar School's ISEC program. He earned a B.A. in International Relations and Global Security at American Military University. He currently works as a Senior Technical Collections Analyst at Decision Technologies supporting the Office of the Undersecretary of Defense for Intelligence and Security. Previously, he served as an active-duty Intelligence Analyst in the United States Marine Corps and deployed multiple times to the Indo-Pacific region and the Middle East. Josh anticipates graduating in the spring of 2024 and plans on continuing to work in national defense, with a focus on AI security.





# 2023 AI TECH AND POLICY FELLOW BIOS

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**Chad Smith** is a Ph.D. student in the Public Policy doctoral program at George Mason University's Schar School of Policy and Government. His primary Field of Study is Science, Technology, and Innovation Policy and his secondary Field of Study is Entrepreneurship, Growth, and Public Policy. Smith's dissertation research will focus on the emerging transition to artificial intelligence (AI)-aided knowledge discovery and invention processes, the adoption and diffusion of AI technologies in scientific disciplines and research environments, and their impact on the productivity of researchers. Smith earned an M.A. in Global Environmental Policy from American University's School of International Service and an M.A. in Political Science from George Mason University's College of Humanities and Social Sciences.



**Julie Stern** works full-time in the defense industry as a physicist in a superconductivity group which designs quantum hardware in order to develop the next generation of fast computers. She is a part-time graduate student in the master's program in Biodefense at the Schar School. Julie has just taken Prof. Ruth's "Dangers of Technology: AI and Beyond" class, which examined many AI technology issues and their implications. Julie holds a B.S. in physics with a double major in chemistry, an M.S. in applied mathematics, and an M.S. in mechanical engineering. She has extensive background and training in mathematical and computational modeling and simulation and has mostly worked on research problems in biophysics which investigated biophysical mechanisms. Julie was part of the 2021 international team that won the NextGen Biosecurity Essay Competition. You can see the team's paper here: <https://www.nti.org/news/winners-of-2021-next-generation-for-biosecurity-competition-announced/>.



# 2023 AI TECH AND POLICY FELLOW BIOS

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**Jonathan Walberg** is a ISEC master's student who went through the undergrad program at GMU. His main focuses are on great power conflict of the future and the role that bio/cyber weaponry will play in the struggle to dominate the latest technology. Jonathan is beginning work with a Tampa based company this summer that focuses on providing cybersecurity solutions for the government and developing artificial intelligence capabilities on the same front. Born and raised in Canada, Jonathan is an avid triathlete, marathoner, and water polo player. One thing that he hopes to get out of this seminar is an understanding of artificial intelligence at the programming/engineering level.”



**Stephanie Wamwandu** I have a BSc in Economics and I currently pursuing a masters in Global Commerce and Policy at George Mason University. I am passionate individual in matters of economic development, cultural landscapes and global integration. I'm driven by the desire to implement positive change in bridging the gap between technology, policy and growth especially in developing countries. I tend to seek out challenging platforms that can expound my knowledge and build my character to provide a better service to my community. The rise in digital trade is what I believe can open the doors to a world full of endless possibilities and opportunities. But don't worry, for while I continue to pursue the complexities of the digital era, my trusted mug of hot chocolate continues to push my journey for excellence further.



# AI TECH & POLICY SUMMER INSTITUTE

## Day 2: May 23rd

\*Closed to the public, for AI Tech & Policy Fellows only\*

Time	Title	Speaker
8:45-9:00AM	Breakfast and Coffee	
9:00-9:30AM	Introductions	
9:30-10:30AM	History and Rise of AI Topic Modeling: LDA and LLMs	Amarda Shehu, Manpriya Dua, Anowarul Kabir, Sam Blour
10:30-10:45AM	Break	
10:45-11:45AM	A Hands-On Intro to the AI Pipeline	Antonios Anastasopoulos
11:45-Noon	Break	
Noon-1:30PM	Lunch and Keynote	Darrell West
1:30-2:00PM	Break (Coffee Served)	
2:00-3:00PM	AI Infrastructures	J.P. Singh, Amarda Shehu, Caroline Wesson
3:00-3:45PM	Responsible Innovation and National Security	Jesse Kirkpatrick
3:45-4:00PM	Break	
4:00-4:30PM	AI and Grand Strategy	Michael Hunzeker, Amarda Shehu, Manpriya Dua
4:30-5:00PM	Closing	Rick Sear

# AI TECH & POLICY SUMMER INSTITUTE

**Day 3: May 24rd**

\*Closed to the public, for AI Tech & Policy Fellows only\*

Time	Title	Speaker
9:00-10:00AM	Breakfast and Keynote	Becky Richards
10:00-10:15AM	Break	
10:15-11:45AM	Algorithmic (Local) Justice: Bringing in Interdisciplinarity	Sanmay Das
11:45-Noon	Break	
Noon-1:30	Lunch and Early Career Professionals Panel	Kaylin Matis Guillaume Beaumier Ryan Joyce Chuck Katis
1:30-2:30PM	Wrap Up	

Following the conclusion of the Summer Institute, our cohort of fellows will participate in a year long fellowship through GMU's Center for Advancing Human-Machine Partnership (CAHMP). This fellowship will allow students to work closely with CAHMP faculty members to investigate research questions of their own choosing which relate to AI. We are excited to see the rich variety in research projects our cohort design and carry out throughout the upcoming year!

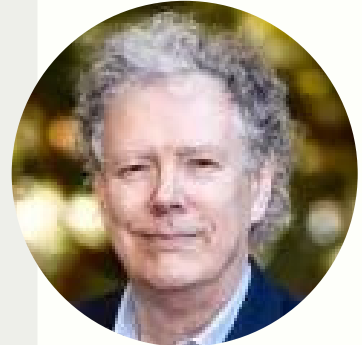


# SUMMER INSTITUTE SPEAKERS

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## **Darrell West**

Darrell M. West is a senior fellow in Brookings's Center for Technology Innovation within the Governance Studies program and a co-editor-in-chief of [TechTank](#). West is the former vice president and director of Governance Studies. His current research focuses on artificial intelligence, robotics, and the future of work. West is also director of the John Hazen White Manufacturing Initiative. Prior to coming to Brookings, he was the John Hazen White Professor of Political Science and Public Policy and Director of the Taubman Center for Public Policy at Brown University.



## **Sanmay Das**

Sanmay Das is Professor of Computer Science and co-director of the Center for Advancing Human-Machine Partnership at George Mason University. He has broad interests across artificial intelligence, machine learning, and computational social science. His recent work focuses on the use of AI in the allocation of scarce societal resources, with an eye towards the distributive justice implications of different policies and mechanisms. Das is active in the international AI community. He serves as chair of the ACM Special Interest Group on Artificial Intelligence, and a member of the board of directors of the International Foundation for Autonomous Agents and Multiagent Systems, and on various advisory and editorial boards. We was program co-chair of the 2017 International Conference on Autonomous Agents and Multiagent Systems. In 2023, he will be a program co-chair for the AAIL/ACM Conference on AI, Ethics, and Society, and an associate program co-chair for the International Joint Conference on Artificial Intelligence. He has been recognized with awards for research and teaching, including a National Science Foundation CAREER Award and the Department Chair Award for Outstanding Teaching at Washington University. He has worked with the US Treasury department on machine learning approaches to credit risk analysis and occasionally consults in the areas of technology and finance.



# SUMMER INSTITUTE SPEAKERS

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## **Becky Richards**

Rebecca “Becky” Richards is Chief, ODNI Civil Liberties, Privacy, and Transparency Office. In this role, she serves as an independent, primary advisor to the Director of National Intelligence and other senior DNI officials to ensure that the Intelligence Community's missions, programs, activities, policies, and technologies protect privacy and civil liberties. She serves as ODNI's primary liaison with the Privacy and Civil Liberties Oversight Board (PCLOB), the designated ODNI Senior Agency Official for Privacy, and ODNI's Information Sharing Environment Privacy Official. She also leads the effort to implement the Principles of Intelligence Transparency for the Intelligence Community. Ms. Richards has served as the first Director of Civil Liberties and Privacy at the National Security Agency (NSA) since February 2014. In addition, Ms. Richards is NSA's first Transparency Officer. Previously, Ms. Richards served for almost 10 years in a variety of privacy-related leadership positions at the Department of Homeland Security (DHS), including Senior Director for Privacy Compliance. Ms. Richards' long career in the privacy field also includes positions at TRUSTe and at the U.S. Department of Commerce. Ms. Richards earned a Master's degree in international trade and Investment policy and a Master's degree in business administration from George Washington University. She received her B.A. from the University of Massachusetts, Amherst.



## **Rick Sear**

Rick Sear is a data analyst and programmer with the George Washington University Dynamic Online Networks Lab. He has a degree in Computer Science with minors in Mathematics and Physics. At the DON Lab, Rick works with many kinds of machine learning and NLP models, notably unsupervised topic clustering. He also manages the lab's social media database and data pipelines.



# SUMMER INSTITUTE SPEAKERS

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**Ryan Joyce** is Co-Founder and CEO of GenLogs, which uses A.I. to track traffic trends, trucks, and trailers on US roads to solve legacy supply chain issues. Prior to GenLogs, Ryan was SVP of Operations at Onsights, a retail intelligence company that applies A.I. to security camera data in order to track customer behavior. Ryan led Onsights' Series A and helped grow the company to a \$50M+ valuation within 3 years. Ryan was previously an officer in the US Government and spent a decade living in the Middle East leading counterterrorism operations. Ryan is also a General Partner in an early-stage venture fund investing in companies that can help secure America's future.



**Kaylyn Matis** holds a degree in Conflict Analysis & Resolution and Data & Society from George Mason University, where she graduated with a GPA of 3.86. She currently supports Acquisitions at the Chief Digital and Artificial Intelligence Office as a Business Program Analyst. Before this, she was a Research Analyst at FRANdata, facilitating the growth of Fortune 500 companies, banks, and startups via data-driven decision-making for events such as market acceptance testing. In the past, she worked with George Mason University to aid in the creation and implementation of coursework and supporting programs that later became the Ethics & AI minor. Additionally, she worked with All Tech Is Human as a University Ambassador where she volunteered with projects and reports such as Tech & Democracy. Topic areas of published work include Data-Driven Disinformation and Extremism detection, Ethics & AI, and a 2023 Economic Outlook.



# SUMMER INSTITUTE SPEAKERS

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**Guillaume Beaumier** is a postdoctoral researcher at the Mortara Center (Georgetown University) and the Max Bell School of Public Policy (McGill University). Guillaume completed a joint Ph.D. in politics and international studies at the University of Warwick (United Kingdom) and Université Laval (Canada). His work revolves around the growing complexity of global governance, new technologies, private regulation, and the trade and security nexus. In his doctoral thesis, he more specifically investigated how data protection rules in the European Union and the United States have been jointly evolving through constant interactions between public and private actors from both jurisdictions since 1995. Guillaume's postdoctoral research now focuses on the regulation of transnational data flows. He is especially interested in analyzing the role of private companies operating across jurisdictional boundaries in that process. He also conducted research on the development of blockchains, the semiconductor supply chain, and the emerging governance of space debris.



**Chuck Katis** is an American record-breaking swimmer who competed at both Harvard and Cal Berkeley. Since graduating, Chuck invented patented neural networks and a mobile hardware platform capable of emulating human visual cognition for bodbx (<https://www.bodbx.com>, social: @\_bodbx) - the portable AI strength coach he engineered to help train swimmers 30% better. He is an accomplished magician, performing for charities, homeless shelters, and children in hospitals. He's also involved in humanitarian work, having started his own non-profit organization while he was in high school, called the Magic of Miracles – a non-profit dedicated to providing relief to children with cancer (<https://www.magicofmiracles.org/>)





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