

John Speed Meyers

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Software Supply Chain Security
Empirical Software Security
Military Strategy and Force Planning
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[Personal website](#) - [Google scholar](#) - [Github](#)

Professional Experience

Chainguard (Chainguard Labs) *Head of Chainguard Labs* (2023-current)

Leads a software supply chain security applied research lab. Manages a team of researchers and software engineers. Responsible for strategic direction and research agenda. Oversees R&D related to open source software security, software vulnerabilities, and container security.

Principal Research Scientist (2022-2023)

Conducted empirical software engineering research on software supply chain security topics including SBOM quality, container security, and open source package registry security. Conducted interviews and surveys of open source software maintainers and software professionals related to software security.

In-Q-Tel (IQT Labs) *Data Scientist/Software Engineer* (2019-2021)

Project lead for research and development related to open source software security.

The RAND Corporation *Assistant Policy Researcher* (2015-2019)

Analytical research on military strategy and force planning for the U.S. Air Force and Army. Worked on over ten defense analysis projects to include an assessment of potential U.S. military force planning constructs and the susceptibility of AI-based cyber intrusion models to attack.

Johns Hopkins University (Center for Gun Policy and Research) *Research Data Analyst* (2014-2015)

Statistical analysis on the impact of firearm-related laws on violence.

Center for Strategic and Budgetary Assessments *Research Assistant* (2010-2012)

Data collection and analysis on trends in the U.S. military budget. Aided wargames on U.S. military strategy.

Internships

Department of State, China Desk, Summer 2013

Department of Defense, Cost Assessment and Program Evaluation, Summer 2010

Department of Defense, Acquisition, Technology, and Logistics, Summer 2009

Education

Pardee RAND Graduate School, PhD in Policy Analysis, 2019

Dissertation Topic: Mainland Strikes and U.S. Military Strategy Towards China
Dissertation Committee: Alan Vick (chair), Forrest Morgan, Jennifer Kavanagh, and Phillip Saunders

Princeton University, MPA with focus on international relations, 2014

Tufts University, (*magna cum laude*) B.A. in international relations with minor in Chinese, 2010

Publications

Journal Articles

Duc-Ly Vu, Zachary Newman, and John Speed Meyers, "Bad Snakes: Understanding and Improving Python Package Index Malware Scanning," International Conference on Software Engineering, 2023.

Zachary Newman, John Speed Meyers, Santiago Torres-Arias, "Sigstore: Software Signing for Everybody," Computer and Communications Security, 2022.

Julius Musseau, John Speed Meyers, George P. Sieniawski, C. Albert Thompson, and Daniel German, "Is Open Source Eating the World's Software? Measuring the Proportion of Open Source in Proprietary Software Using Java Binaries," Mining Software Repositories, 2022.

Dan Geer, Bentz Tozer, and John Speed Meyers, "Counting Broken Links: A Quant's View of Software Supply Chain Security," *USENIX ;login*, December 2020.

Derek Grossman and John Speed Meyers, "Minding the Gaps: US Military Strategy toward China," *Strategic Studies Quarterly*, Vol. 13, No. 4, 2019.

Travis Sharp and John Speed Meyers, "Correspondence: Will East Asia Balance against Beijing?" *International Security*, Vol. 43, No. 3, 2019.

John Speed Meyers, "Will a President Approve Air-Sea Battle? Learning from the 1958 Taiwan Strait Crisis," *Infinity Journal*, Vol. 4, No. 4, 2015.

John Speed Meyers, "Reputation Matters: Evidence from the Korean War," *Journal of International and Area Studies*, Vol. 22, No. 2, 2015.

Cassandra Crifasi, John Speed Meyers, Jon Vernick, and Daniel Webster, "Effects of Changes in Permit-to-Purchase Handgun Laws in Connecticut and Missouri on Suicide Rates," *Preventive Medicine*, Vol. 79, 2015.

Daniel Webster, John Speed Meyers, and Shani Buggs, "Youth Acquisition and Carrying of Firearms in the United States," Proceedings of Means of Violence Workshop, 2015

John P. Bumpus, John Speed Meyers, and Pierina Sanchez, "Reducing Homicide in Honduras," *Journal of Public and International Affairs*, 2014.

Reports

State of DevOps Report, Google Cloud/DORA, 2022. (contributing author)

Alan J. Vick, Sean M. Zeigler, Julia Brackup, and John Speed Meyers, *Air Base Defense: Rethinking Army and Air Force Roles and Functions*, RAND, 2020.

Andrew J. Lohn, Jair Aguirre, Mark Ashby, Benjamin Boudreaux, Jonathan Fujiwara, Gavin S. Hartnett, Daniel Ish, John Speed Meyers, Caolionn O'Connell, Li Ang Zhang, *Attacking Machine Learning in War*, RAND, 2020. FOUO.

Don Snyder, Sherrill Lingel, George Nacouzi, Brian Dolan, Jake McKeon, John Speed Meyers, Kurt Klein, and Thomas Hamilton, *Managing Nuclear Modernization Challenges for the U.S. Air Force*, RAND, 2019.

Alan Vick, Paul Dreyer, and John Speed Meyers, *Is the USAF Flying Force Large Enough?*, RAND, 2018.

Andrew Morral, Rajeev Ramchand, Rosanna Smart, Carole Roan Gresenz, Samantha Cherney, Nancy Nicosia, Carter Price, Stephanie Brooks Holliday, Elizabeth Petrun Sayers, Terry Schell, Eric Apaydin, Joshua Traub, Lea Xenakis, John Speed Meyers, Rouslan I. Karimov, Brett Ewing, and Beth Ann Griffin, *The Science of Gun Policy*, RAND, 2018.

Jennifer Kavanagh, Bryan Frederick, Matthew Povlock, Stacie Pettyjohn, Angela O'Mahoney, Stephen Watts, Nathan Chandler, John Speed Meyers, and Eugeniu Han, *The Past, Present, and Future of U.S. Ground Interventions*, RAND, 2018.

David Ochmanek, Peter Wilson, Brenna Allen, John Speed Meyers, and Carter Price, *U.S. Military Capabilities and Forces for a Dangerous World*, RAND, 2017.

Todd Harrison and John Speed Meyers, *Contracting Under Fire: Lessons Learned in Wartime Contracting and Expeditionary Economics*, The Center for Strategic and Budgetary Assessments, 2012.

Commentary

John Speed Meyers, Sara Ann Brackett, and Trey Herr, "Why Do SBOM Haters Hate? Or Why Trade Associations Say the Darndest Things," The Atlantic Council, 2023.

Chinmayi Sharma and John Speed Meyers, "Bugs in the Software Liability Debate," Just Security, 2023.

Chinmayi Sharma, John Speed Meyers, and James Howison, "The Securing Open Source Software Act Is Good, But Whatever Happened to Legal Liability," Lawfare, 2022.

Dan Geer, John Speed Meyers, Jacqueline Kazil, and Tom Pike, "Should Uncle Same Worry About 'Foreign' Open-Source Software? Geographic Known Unknowns and Open-Source Software Security," Lawfare, 2022.

John Speed Meyers, Jacobo McGuire, and Zack Newman, "The US Military Should Red-Team Open Source Code," Defense One, 2022.

John Speed Meyers, Zack Newman, Tom Pike, and Jacqueline Kazil, "Dependency Issues: Solving the World's Open-Source Software Security Problem," War on the Rocks, 2022.

John Speed Meyers and Dave Jackson, "The Faultline Between Futurists and Traditionalists in National Security," War on the Rocks, 2021.

Zigfried Hampel-Arias and John Speed Meyers, "What AI Can and Cannot Do for the U.S. Intelligence Community," Defense One, 2021.

Jon Wong and John Speed Meyers, "In Defense of Defense Analysis," War on the Rocks, 2016.

John Speed Meyers, "The Real Problem with Strikes on Mainland China," War on the Rocks, 2015.

Honors, Awards, and Activities

RAND Dissertation Awards (x3) - \$75,000

Truman Library Institute Research Grant - \$1,000

LBJ Foundation Moody Research Grant - \$2,000

UT Austin Clements Center Summer Seminar in History and Statecraft, 2017
Center for Strategic and International Studies (CSIS) Project on Nuclear Issues (PONI) Scholar, 2016
RAND Innovation Award, 2016
Japan Travel Program for U.S. Future Leaders, 2013
John Parker Compton Memorial Fellowship, Princeton (for excellence in international relations), \$70,000
Harold Rosenthal Fellowship in International Relations, 2013
Sigma Iota Rho, International Relations Honor Society, 2010
Pi Sigma Alpha, Political Science Honor Society, 2010
Honos Civicus, Public Service Honor Society, 2010
Tisch College of Civic Life Summer Fellow, Tufts (x2) - \$6,000
Tufts-in-China at Zhejiang University, Fall 2008