Lewis Shepherd

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Consultant on Advanced Technologies and Public Sector Innovation   Washington DC 2015-current

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Leading consultant on data management and innovation, currently at Deloitte Consulting, with executive success in Silicon Valley and DC. The world's leading tech companies and select government agencies rely on me for my expertise in strategic planning, investment decisions, and leading complex change. Personal clients have included Goldman Sachs, SpaceX, SamsungVentures, Microsoft, hedge funds. Currently working advanced projects in AI, data analytics, immersive simulation.

Clear, concise communicator and keynote speaker. I blog at www.ShepherdsPi.com. Adjunct Professor at George Mason University teaching graduate-level Big Data Analytics; member of Georgetown University's Technology Management Advisory Council; serve on multiple government advisory boards for advanced technologies.

Previous Career Highlights

Director, Microsoft Institute for Advanced Technologies in Government   Washington, DC & Redmond, WA 2007-14

Microsoft senior executive leading "Institute for Advanced Technologies in Government," an external consulting arm of Microsoft Research division, drove $MM revenue in Microsoft sales and services for public-sector early-adopter customers by applying R&D to solve significant government mission challenges. Hired as CTO, promoted in two years to lead the Institute. Conceived and managed efforts to create unique scalable solutions. Managed team of former US/international senior government executives and senior technical experts. Named a Partner in 2011 (highest internal MSFT employee level).

Partnered with government agencies, educational institutions, international NGOs, Microsoft product groups; heavy use of dynamically organized virtual teams. Represented the Microsoft Institute with Legal and Corporate Affairs. Member of the Microsoft Federal Strategic Programs and Policy Issues group. Extensive media engagement and crisis communications.

Senior Technology Officer, U.S. Defense Intelligence Agency   Washington, DC 2003-2007

In the wake of the 9/11 attacks I was recruited to DIA from Silicon Valley and immersed into wartime environment as head of Requirements & Research for global defense intelligence, a Fortune-200-equivalent enterprise. Later promoted to highest US Government civilian level, flag-rank Senior Executive Service, and after four years won "National Government IT Leadership Award." Direct report to DIA Deputy Director/CIO, and appointed by DIA Director to Strategic Planning Committee. Deployed next-gen solutions for a $6B+ agency with a $1B+ enterprise IT budget. Senior innovator determining acquisition of all new IT for the DoD intelligence enterprise servicing 70,000 users in 500+ global locations with real-time data. Created/led global network of rapid innovation labs. Led architectural and security reviews on team consolidating 25+ global data centers into 5 private-cloud centers. Managed 250+ technologists and intelligence officers on three continents.

Tech Startup, Head of Business Development, H5 Technologies, Inc.   San Francisco, CA   2000-2003

Successful text-analytics/data-mining software startup. Led marketing strategy to media and government customers. Joined founder/CEO in pitching top VC firms (won $6.5 million). Personally closed company's first $250,000 in software sales.

VP of Public Affairs & Public Policy, The Clinton Reilly Group   San Francisco, CA   1996-1999

Leading West Coast government consulting firm. Firm's clients have included Nancy Pelosi, Dianne Feinstein, San Francisco Chamber of Commerce. Developed strategy for technology enterprise-zones, with urban tax incentives to foster startups.

Director of Communications, The Mayor of San Francisco   San Francisco, CA   1994-1996

Directed communications strategy and operations in one of the world's most complex urban environments. Managed tech policy team, contributing to dot-com startup boom. Wrote policy papers, State of the City Address, Annual Budget Message.

Executive Director, San Jose Tomorrow Foundation   San Jose, CA   1991-1994

Led small Silicon Valley education/social-policy non-profit, funded by Apple and other tech firms plus government grants. Launched international development and education efforts for underserved youth in Northern Ireland and Costa Rica.

Special Assistant on Policy and Speechwriter, The Mayor of San Jose   San Jose, CA   1989-1991

Senior aide and technology advisor for mayor of America's tenth-largest city. Devised international initiatives to market Silicon Valley, contributing to a global re-branding as "The Capital of Silicon Valley." Liaison to CEOs of major technology firms (e.g. Apple, IBM, HP, Oracle). Daily media management. I was described as a "Silicon Valley Luminary" by the *San Jose Mercury News* in 1992.

Education

Harvard University, Kennedy School of Government Executive Education non-degree program.

Stanford University PhD program in Political Science (ABD). Awarded MA in Political Science.
Three-year Rockefeller Doctoral Fellow. International relations, global trade, U.S. politics/legislative affairs.

University of Virginia Awarded BA cum laude in Government. MA coursework in Foreign Affairs.
Politics, international law and economics, Russia/Middle East politics. Arabic and Russian languages.

Université Libre de Bruxelles Troisième Degré in French language.

Professional Leadership Roles

Georgetown University   Washington, DC
Technology Management Advisory Council   (Current)
Appointed member of strategic advisory body for GU's graduate-degree-granting program in Technology Management.

George Mason University   Washington, DC
Adjunct Professor   (Current)
Teach Data, AI, Machine Learning in the Graduate Engineering School, Department of Information Sciences & Technology.

AFCEA International   Washington DC
Vice Chair, AFCEA Intelligence Committee   (Current)
Elected leader of the Armed Forces Communications & Electronics Association's Intelligence Committee; senior public and private sector leaders helping build bridges between DoD and industry. Chair is retired Navy 3-star.

DoD Defense Science Board, 2016 Annual Study   Washington, DC
Appointed as Special Government Employee for annual six-month research study, on data science and analytics in modern information environments relevant for preventing conflict. Addressed "fake news" phenomenon across borders.

NDN Technology Conferences   Silicon Valley
Co-Sponsor and Participant
Founding sponsor of series convening Members of Congress, tech policy experts, and leading executives in software, biotech, e-commerce. "Largest gathering of elected officials in Silicon Valley ever" (*San Jose Mercury News*).

Awards

National winner, "**Government IT Leadership Award**" given by Government Computer News and Washington Post/Newsweek for "exceptional accomplishments over a substantial period of time in government."

Department of Defense, DIA Medal for Meritorious Civilian Service.

DIA Director's Annual Award for Outstanding Team Performance.

Ford Foundation Fellow in International Security; **Rockefeller Foundation** Fellow in Russian Studies.

Selected Recent Speeches and Presentations

One-on-one onstage interview with **Jeff Bezos**, CEO/Chairman of Amazon and Blue Origin, CEO, on *"Future Trends in Technology and Information,"* April 2017 at annual AFCEA Intelligence Symposium, Washington DC.

Federal Judicial Center & Georgetown University Law School, Conference on National Security, Technology and the Law, May 2015; lecture on *"Computer Architecture and Remote Access"* for 200 senior federal judges.

One-on-one onstage interview with **Elon Musk**, SpaceX/Tesla CEO, on *"Revolutionary Changes for Intelligence,"* May 2015 at annual AFCEA Intelligence Symposium; also panel chair for *"Industry R&D"* (article)

U.S. Technology Leadership Council, *"Implications of 3-D Immersive Technologies for Government,"* May 2015 (agenda)

"The Internet of Things: Its Implications," panel chair at Intelligence & National Security Summit, September 2014 (article)

United Nations Foundation, Diplomacy Conference: *"The Future of Diplomacy, Digital's Impact,"* April 2014 (agenda)

"Big Data and Knowledge Creation" speech at AFCEA Spring Intelligence Symposium, May 2014 (agenda)

Global Intelligence Symposium in Brussels, Belgium: *"Strengthening Government/Industry Partnership for International Security,"* December 2013 (agenda)

Intelligence & National Security Summit, September 2015: *"Impact of Key Technologies on Intelligence, Defense, Economic & Political Norms,"* panel chair. (agenda)

Selected Conference Keynotes

"Keynote: Exploring the Intersection of Technology & Policy," Global Maritime Forum, at Applied Physics Laboratory, University of Washington, November 2016. (agenda)

"Security Agencies & The Tech Industry." TechUK & WIRED Media Conference, London UK, May 2015.

"Machine Learning, AI, and DoD." Armed Forces Communications & Electronics Association, May 2016.

"Big Data R&D." Armed Forces Communications & Electronics Association, June 2015.

"Government & the Revolution in Scientific Computing." NASA IT Summit, Washington DC, August 2010. (article)

"R&D 2.0 for Analysis." Intelligence Advanced Research Projects Activity (IARPA) Conference. (Keynote slides)

Publications

Multiple classified policy documents and studies.

Foreword "Bridge to the Cyber 21st Century," in book *Inside Cyber Warfare* (O'Reilly Publishing).

Co-author, *The Captive American* (Hampton Books), hardcover best-seller; National Press Club Annual Authors Award.

Co-author, *The New City-State* (Roberts Rinehart), hardcover on entrepreneurial urban policies.

University or Online Lectures

2017, 2016, 2015: George Mason University, Adjunct Professor, teaching graduate course "Big Data and Advanced Analytics," in Graduate Department of Information Sciences and Technology, M.S./Ph.D. students.

2015 May: Washington Center for Internships, "National Security / Academic Seminar." (agenda)

2015 March: University of Central Florida, "The Internet, 2015-2025: Business and Policy Challenges for the Private Sector," (agenda)

2015 February: University of Maryland, Graduate School of Public Policy: "Speed, Omniscience, and Democratic Accountability: Pick Two for National Security Intelligence" (abstract)

2013 February: George Mason University, Graduate Program in Intelligence Technology Management; "Leadership in Intelligence from Big Data."

2012 December: Pepperdine University; "Engagement with Government through Tech & Gamification" (video)

2012 August: Purdue University, CERIAS Security Seminar, "Challenges for R&D in the Security Field" (video)

2011 November: Univ. of Pennsylvania, Convergent Risk in Business and Government Symposium; "Emerging Counter-Intelligence Insider Threats and Latest Challenges in Cyber Security," panel chair. (agenda)

2011 September: University lecture tour across Argentina for U.S. State Department (article, blog, DoS press release)

- Universidad Abierta Interamericana (UAI, the Open InterAmerican University), Buenos Aires; "Advances in Robotics and Engineering." (article)

- National Technological University (UTN), Buenos Aires; "Innovation and Government," also transmitted live to 13 campuses of the University across Argentina. (article)

- Universidad Abierto Interamericana (UAI), Rosario campus; "New Technologies' Impact on Government." (article and video highlight)

- Universidad Nacional de la Plata (UNLP, National University of La Plata), Informatics Faculty, "Innovation and Government." (article and video interview)

- Universidad Argentina de la Empresa, (UADE, Argentine University of Enterprise), "Government 2.0: Relationship of Government, Law, and Engineering." (article)

- Universidad Católica Argentina (UCA, Catholic University of Argentina), Business School and Economic Sciences; "Government 2.0."

2010 May: O'Reilly Webcast, "Hiring the Next-Generation of Cybersecurity Professionals in Government" (archived)

2009 December: Princeton University, Center for Information Technology Policy; "Federal Government Technology: Way Ahead and Far Behind" (abstract)

2009 November: GWU, Graduate Seminar in Social Media; "Research & Practice in Social Media."

2009 November: Devry University, Roundtable on Information Security (video)

2009 January: Princeton University, Center for Information Technology Policy; "Open Government: Defining, Designing, and Sustaining Transparency" panel. (video)

1990-91, 1991-92: Stanford University, Graduate School of Business; Guest Lecturer for M.B.A. course on government and finance, "Politics and Management."