

Matthew Burton

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EXPERIENCE

Software and Web Strategy Consulting — 2005-present

Founder and Director, [Open Source ACH Project](#): Launched in August 2010. Manage code base, documentation, and developer community for open source platform for CIA analysis methodology.

Harvard University: Oversaw design and development of information sharing community for students, medical and policy researchers, and policymakers. Conducted on-site user research, drafted requirements, created information architecture, hired software development staff and managed code base to create platform from scratch in under two months and substantially under budget.

U.S. Department of Energy: Through on-call availability with program staff, refined weakly defined, underfunded project into viable concept for Web-based network of energy researchers. Rebuilt previous contractor's failing architecture and convinced program staff to slash functional requirements for the sake of usability and community development.

US Intelligence Community: Advise various IC offices on a recurring basis on how the Web can improve information sharing and analytic integrity. Offices include the CIA's Sherman Kent School for Intelligence Analysis, the Intelligence Science Board, the ODNI Office of Analytic Transformation, CIA/DS&T, and the Center for the Study of Intelligence.

- Led self-funded design and development of Web-based implementation of CIA analytic methodology. Developed functional requirements after two months of on-site research with CIA analysts. Product will be available to entire analytic workforce of the IC. Product is designed to increase inter-agency collaboration and analytic integrity, and will be among the first third-party tools available on [A-Space](#), the IC's new analytical collaboration platform.
- Provided concepts and visual mockups to Kent School for several other Web implementations of analytic methodologies, all intended to increase institutional knowledge and communication through low-cost Web tools.

Defense Intelligence Agency: Intelligence Analyst, Russian telecommunications networks and information warfare — 2003-2005

- Youngest honoree of Director of Central Intelligence's inaugural Galileo Awards, which solicited ideas for shaping the future of US intelligence. Proposed changes to the IC's intranet culture in order to ease information glut and increase cross-agency collaboration. Proposals were later adopted by Director of National Intelligence.
- At 24, was one of a select few IC personnel asked to contribute to the Quadrennial Intelligence Community Review, the IC's primary strategic planning document. Contributions regarded as "excellent" by project manager.
- First beta tester of IC's new blogging platform. Promoted benefits of blogging to office chief and received permission to create and manage blog for intraoffice communication, the first of its kind in the IC.
- Founded five-agency working group of 15 previously incommunicado analysts; hosted meetings to increase collaboration among analysts. Group focused on Russian network infrastructure, cyber operations and media control.
- Active TS clearance; dormant SCI clearance; CI polygraph

EDUCATION

New York University: MPS, Interactive Telecommunications, May 2007

Work focused on Web-based collaboration. Projects included:

- Web encyclopedia of Congressional legislation in plain English
- Collaborative Web-based news production for citizen journalists (concept)
- RFID- and mobile phone-based urban navigation for the blind

Duke University: BA, Public Policy Studies, May 2002

- Focus on international policy. Substantial coursework and research on:
 - Russian Internet infrastructure
 - Corruption in Russian society and politics
 - International community and the reconstruction of media infrastructure in post-war Bosnia
- Minors in Russian Languages & Literature, Political Science

TECHNICAL SKILLS

Management— Experience in user research, requirements drafting, contract bids, hiring & managing staff, monitoring development timeline, and managing code (Subversion and Git).

Web and Mobile Development — Hardware and software development experience with processors, CSS, PHP, MySQL, Apache server configuration (including SSL), Ruby on Rails, JavaScript, Radio Frequency ID, Bluetooth, text message gateways, & Python for Nokia Series60 phones.

Other — Proficient in dozens of desktop applications, Mac OS X, Windows. Expert knowledge of Web communities. Excellent network of contacts in the social networking, citizen journalism and Web politics spheres.

PUBLICATIONS, PRESS, AND SPEAKING ENGAGEMENTS

- PRESS: "[CIA Software Developer Goes Open Source. Instead.](#)" *Wired*, August 4, 2010.
- PRESS: "[Tips for Attracting Innovators at Your Agency.](#)" interview on Federal News Radio, June 9, 2010.
- PUBLICATION: "[A Peace Corps for Programmers.](#)" opening chapter of *Open Government*. O'Reilly Media, 2009.
- PRESENTATION: "A-Space & the Intelligence Community's Collaboration Strategy," Executive Session on Cross-Boundary Leadership, Harvard Kennedy School of Government, February 10, 2009
- PUBLICATION: "[An Information Age Strategy for Government Information Technology.](#)" in M. Tanji, (Ed), *Threats in the Age of Obama*, P. 155-161. Ann Arbor: Nimble Books, 2009.
- PRESENTATION: Panelist at Director of National Intelligence's Open Source Conference: "[Young Analysts Talk about the Value of Open Source.](#)" September 11, 2008. [Related essay: The Value of Open Source Information: Two Military Intelligence Coups By the Web](#)
- PRESS: "[Mozilla Foundation, but for Government](#)", July 23, 2008.
- PUBLICATION: "Congress Reloaded," in A. Fine, J. Levy, et. al. (Eds), *Rebooting America: Ideas for Redesigning American Democracy for the Internet Age*, P. 165-167. New York: Personal Democracy Press, 2008.
- PRESENTATION: "Digital Natives and Digital Immigrants", April 2008. Global Futures Forum Annual Conference, Vancouver, BC.
- PRESENTATION: "Wikipedia: How to Use It, How to Contribute to It, and Why You Shouldn't be Afraid of It." OneWebDay, September 22, 2007.
- PRESENTATION: ReadableLaws.Org, May 2007. Master's thesis presentation to over 80 NYU faculty members and classmates. ([video](#))
- PRESS: "[Open-Source Spying](#)", *New York Times Magazine*, December 3, 2006.
- PRESENTATION: Yahoo! Design Expo, July 2006. Presented online collaboration concept to over 100 Yahoo! executives and program managers.
- PRESENTATION: Panelist at Intelligence Science Board's quarterly meeting, September 2005: "Effecting Change in the Intelligence Community." Spoke to board members on how to recruit young technical talent.
- PUBLICATION: "[Connecting the Virtual Dots](#)", *Studies in Intelligence*, Central Intelligence Agency, Fall 2005.
- PRESENTATION: "Connecting the Virtual Dots", presentation to Deputy Directors of Central Intelligence, April 2005.