

Curriculum Vitae Joseph Buckler Walton

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Facebook

<https://www.facebook.com/josebwalton>

LinkedIn

<https://www.linkedin.com/in/joewalton>

Medium.com

<https://medium.com/@josephbwalton>

Social Science Research Network (SSRN)

https://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=2446217

Twitter

[@josephbwalton](https://twitter.com/josephbwalton)

Calendly

<https://calendly.com/josephbwalton>

Telephone

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Postal

9805 Colony Bluff Drive

Henrico, Virginia 23238

Biographical

Born and raised in Richmond, Virginia

Daughters – Magnolia Delaney; Maya Linda

Commonwealth of Virginia – Notary Public

Registration # 7895405, commission expires: June 30, 2024

Security Clearance: Secret (Department of Defense)

Education and Training

Aug 2015 – May 2020

Virginia Commonwealth University

Richmond, VA

- Public Policy and Administration Doctorate (Ph.D.) from the L. Douglas Wilder School of Government & Public Affairs – wilder.vcu.edu
- Cumulative GPA: 4.0 (dissertation defense May 2020)
- Dissertation & Committee

Dissertation title: Why We Use a New Currency: The Role of Trust and Control in Explaining the Perception and Usage of Bitcoin

Advisor: Victor Chen, Ph.D.

Committee members: Gurpreet Dhillon, Ph.D.; Nancy B. Stutts, Ph.D.; Myung Jin, Ph.D.

- Notable Courses & Service

15 credit hours in graduate Information Systems and Technology-related courses

Created non-credit course for Cybersecurity Policy Program (Pelfrey)

Constituent in Cybersecurity Delphi Study (Dhillon)

Economics and Public Policy, John David Farmer, Ph.D., Professor Emeritus, Wilder School

Preparing Future Faculty, Maïke Philipsen, Ph.D., School of Education

Social Equity, Susan Gooden, Ph.D., Dean, Wilder School

Voter Technology Project Caltech/MIT – 2016 Poll Monitor Researcher

Independent Study, Gurpreet Dhillon, Ph.D., UNC-G School of Business

Money & Society MOOC, Jem Bendell, Ph.D., University of Cumbria

- Research interests

Socio-Economic Value & Exchange

Information Systems & Cybersecurity

Behavioral Sciences & Decision-making

Public Policy & Administrative Theory

Theoretical Frameworks: Semiotics, Dialectic

Jan 2010 – May 2015

Virginia Commonwealth University

Richmond, VA

- Graduate, Master of Public Administration (MPA) in the L. Douglas Wilder School of Government and Public Affairs – wilder.vcu.edu
- Concentration – Executive Leadership
- Capstone – Understanding User Perceptions of Virginia’s e-Procurement System eVA – [via SSRN](http://via.SSRN)
- Cumulative GPA – 3.83
- Pi Alpha Alpha Honor Society

Aug 2005 – Dec 2009

Virginia Commonwealth University

Richmond, VA

- Bachelor of Science, Major – Science, Minor – Physics – College of Humanities and Sciences – has.vcu.edu
- Cumulative GPA – 3.209
- Worked professionally full-time while attending courses part-time

Mar 2008 – Dec 2008

University of Virginia

Charlottesville, VA

- Fellow, Thomas C. Sorensen Institute – Political Leaders Program 2008 Alumnus – www.sorenseninstitute.org
- Ten-month immersive experience in Virginia public policy and politics

Jan 2006

University of Virginia

Charlottesville, VA

- Fellow, Thomas C. Sorensen Institute – Candidate Training Program 2006 Alumnus – www.sorenseninstitute.org
- Three-day weekend immersive experience in political campaign ethics, processes, and techniques

Aug 1998 – Aug 1999

Virginia Commonwealth University

Richmond, VA

- Undergraduate degree work – College of Humanities and Sciences – has.vcu.edu
- Completed 30 credits while working professionally full-time

Jan 1997 – Aug 1998

John Tyler Community College

Richmond, VA

- Transfer degree work – completed 35 credits while working professionally full-time

Sep 1989 – Jun 1993 Meadowbrook High School Richmond, VA
- College preparatory diploma – graduated with Honors

Academic Service & Teaching

Sept 2019 – Present ECPI Richmond, VA
- Substitute teacher for Information Systems course

Jun 2015 – Present ASPA – Central Virginia Chapter Richmond, VA
- Member in Good Standing
- Assistant Secretary, June 2017 – July 2018

Dec 2015 – Jan 2018 Virginia Commonwealth University Richmond, VA
Graduate Teaching Assistant – Office of Student Success
- Support the Wilder School’s mission for experiential learning in Govt & Public Affairs
- Assist in the coordination of Fellowship and Internship programs, services, and outreach
- Support Undergrad and Grad students for pre-professional planning
- Serve on the Wilder Fellowship and Virginia Capital Semester Planning Committees

May 2000 – Aug 2003 John Tyler Community College Richmond, VA
Adjunct Instructor at Community College Workforce Alliance (CCWA)
- Instructor for Cisco Certified Network Associate (CCNA) certification courses
- Designed and Instructed Basic Telecommunications course
- Instructor for Comp/TIA A+ certification courses

Aug 1998 – Aug 1999 Virginia Commonwealth University Richmond, VA
Undergraduate Teaching Assistant
- Designed and implemented computer-based physics labs
- TA for undergraduate labs and assisted students with physics work

Expression, Writing, Publications

Peer-Reviewed Publications

Concepts and Drafts

- Draft, Legitimizing Blockchain Technology: Defining Socio-Economic Value as Trust and Control
- Draft, The Semiotics of Demonetization
- Draft, Through the Looking Glass of Currency Systems: Social Stratification, Wealth and Income Inequality
- Concept, The Sociology of Digital Currencies: A longitudinal survey of perception and usage (collab. with industry, trade journal, academia)
- Concept, Campaign Finance as a Socio-Economic Value
- Concept, Blockchain as Decentralized Trust: The Four Quadrants of Trust
- Concept, From Barter to Bitcoin: Semiotic Ladders of Socio-Economic Value
- Concept, EQ and NO by Proxy: The Effects of Significant Others on Voting Preference and Choice
- Concept, The Semiotics of 3-D Printing

Conferences – Attendance, Papers, Presentations, Speaking

- 2017 – Boston, MA [AMCIS 2017 \(Info. Sys.\)](#) – Accepted Paper & Presentation: *Understanding Digital Crime, Trust, and Control in Blockchain Technologies*

- Compliance Support – The team supports aspects of the corporate compliance program, in such areas as overseeing the execution of our continuous monitoring program as well as working collaboratively with business & other enterprise stakeholders to ensure systems maintain compliance with patching & configuration requirements.
- Optimize InfoSec department workflows through persuasion and influence of people, rigorous evaluation of processes, and optimizing tools like RSA Archer, KnowBe4, Workday, and various user and asset inventory security tracking.

Dec 2018 – Apr 2021

Commonwealth of Virginia

Richmond, VA

Information Security Officer – Department of Behavioral Health & Developmental Services

- VITA Information Security Council
 - Co-chair for Education & Ransomware subcommittees
 - Member of Identity and Access Management subcommittee
 - Develop statewide policy and reporting for information security issues related to General Assembly legislation and resolutions and Executive Orders
 - Review policy and guidance for executive and non-executive branch technology and security administration
- Implemented and manage the Enterprise Information Security Program providing support for the department serving over 7000 users with an overall budget of \$1B
- Provided guidance on security and privacy issues to all levels of agency staff. Managed security activities in risk management, resource provisioning, disaster planning and recovery, application security, incident management and data preservation, user training, and physical security
- Collaborated with Commonwealth Security and Risk Management (CSRM) to ensure the confidentiality, integrity, and availability of DBHDS department resources and information
 - VITA Information Security Council: Nominated and served on reconstituted ISO Council through VITA. CO-chair for Security Awareness & Ransomware subcommittees; Developed state-wide policy and reporting for information security issues related to General Assembly legislation and resolutions and Executive Orders; Review policy and guidance for executive and non-executive branch technology and security administration. Led and participated in bi-weekly meetings and discussions to support VITA’s response to 20-21 legislation deliverables including a comprehensive state-wide ransomware preparedness survey of the executive branch, independent, local, and K-16 educational institutions. This resulted in the timely creation of drafts for review and planned completion of all reporting by December 2020. Full report here: <https://rga.lis.virginia.gov/Published/2021/HD4>
 - Hospital Patient Payment and Billing Application Cloud Migration: diligent participation and collaboration on internal and external technology and security matters to include consistent messages about prior risk and issue identification and communication with internal and external parties for consistent security posture and deployment speed. Rigorous attention to detail and active participation in internal and external discussions and checkpoints to ensure well-managed expectations and timely awareness of risks and issues. Built a test lab for demonstrating vendor connectivity/authentication issues to ensure SEC501 compliance and preclude the creation of a security exception or additional cost to the agency.
 - Electronic Health Records Cloud Migration: diligent participation and collaboration on internal and external technology and security matters to include consistent messages about prior risk and issue identification and communication with internal and external parties for consistent security posture and deployment speed. Rigorous attention to detail and active participation in internal and external discussions and checkpoints to ensure well-managed expectations and timely awareness of risks and issues. This resulted in an on-time (from the perspective of ISO and IT dependencies) roll-out of the first agency-wide EHR system.

- Revamped audit finding remediation deliverables and process for proactive assessment of application and Business Impact Analysis for agency inventory of applications; adopted pilot VITA Risk Assessment process for documenting security posture of applications
- Led review and maintenance documentation of all IT systems and applications for all 13 facilities to include multiple cross-departmental meetings and discussions to develop the agency's first comprehensive list of IT systems. Created a strategic matrix of those systems to aid IT with the ability to plan for consolidation and rationalization of all systems through IT's concurrently developed IT investment board. These efforts led to the documented retirement of ~200 systems as well as the discovery of ~100 systems (dozens of which were Microsoft Access) that strengthened IS&T security by beginning an accurate and comprehensive risk assessment of all agency applications for strategic security and investment execution.
- Evaluated and developed agency-specific and COV/VITA security systems, processes, and tools to surveil and investigate technology infrastructure security posture and deficiencies. Reviewed and monitor Security Center for High and Critical vulnerabilities, focused on Firefox remediation. Led the development of a COV-wide Firefox security profile for AD Group Policy deployment to agency systems for proxy certificate and auto-update settings to remediate out-of-date software. Continuous monitoring of Security Center vulnerability reductions from Firefox. Reduced overall critical and high vulnerabilities (~5000) by 50%.
- ServiceNow lead for DBHDS IS&T to adopt and develop agency-specific VITA service desk ticket processing to meet agency and policy needs. Consistently monitor the ISO and overall agency queue of service tickets for approval and routing to ensure timely risk and issue identification of ticket processing and underlying technology and network changes resulting in ticket processing consistently within three days with full approvals from business, IT, and ISO.
- Developed agency-specific enhanced security awareness training for privileged and administrative users to be delivered in person and annually for compliance and policy needs

Jan 2018 – Nov 2018

Virginia Commonwealth University

Richmond, VA

Senior IT Auditor

- Senior internal auditor of information technology and security for university units
- Develop and implement risk-based technology infrastructure audits of IT department strategic planning, operations, and security management
- Partner with and build relationships across the university to include central technology services, information security, and administrative areas to understand the environment and assist clients with IT management

Dec 1999 – Dec 2018

Kappa Networks, Inc.

Richmond, VA

Owner and Principal Consultant Technology and Business Consulting – www.kappanet.com

- Maintained a respected consulting business serving multiple regional, national, and international organizations
- Manage diverse client and vendor teams to build consensus
- Provide expertise in strategy, tactical consulting, engineering, troubleshooting, and problem solving
 - Local Area/Wide Area and Internet Network Security, Design, Engineering, Analysis, and Troubleshooting
 - Network Performance/Analysis Testing and Benchmarking
 - Internal and External Internet/Network Access Security Analysis
 - WAN Link Carrier Coordination Turn-up, Test, and Troubleshooting
 - Cisco hardware, Microsoft software, Bluecoat PacketShapers, and Open Source Product Implementation

Representative Clients and Projects

- 1999 – 2018 – Various roles at various organizations ranging from systems analysis to primary, secondary consultant and vendor management for design and admin of:
 - Multisite Windows/Cisco/Open Source environments with commodity internet, MPLS, site-to-site VPN
 - Cloud infrastructure for application and systems
 - Microsoft Active Directory and SCCM
 - Open public and secure private wireless access points
 - Antivirus and encryption endpoint protection
 - Packeteer and Wireshark packet-level network analysis troubleshooting with/for/against multiple vendors and/or telecomm providers
- 2000 – 2018 – Primary network administration, engineering and design consultant for large central Virginia non-profit corporation
 - 21 sites, MPLS WAN, Active Directory, Microsoft Azure/Office365, 12 public wireless systems, 13 internet connections, Symantec Endpoint, SNAC, complex failover routing on Cisco routers, ASA/PIX firewalls
- 2000 – 2009 – Primary network administration, engineering, and design consultant for specialty central Virginia medical practice
 - 7 doctors, 4 sites, MPLS WAN, Active Directory, Microsoft Exchange, 3 wireless systems, 1 internet connection, complex Symantec Endpoint, offsite email filtering, PIX firewalls
- 2000 – 2001 WAN Engineer for Fortune 500 company
 - Managed ~100 sites in two states and parts of national WAN infrastructure, all Cisco environment, T1-DS3
- 2001 – 2003 – Network engineering consultant for Fortune 10 company
 - Network monitoring, analysis, and troubleshooting of network systems and enterprise applications across global WAN environment, US and International deployment of PacketShaper devices
- 2006 – Network security audit for large multi-state law firm
 - Multi-site internet and intranet penetration test and security assessment
 - Fully documented and sourced
- 2008 – 2017 – Network engineering for northern Virginia specialty medical practice
 - Internet and multi-site domestic and international ASA/PIX VPN tunneling for medical imaging

Sep 2011 – Sep 2015

Capital One Financial

Richmond, VA

Technical Service Delivery Lead

- Senior Delivery Lead of complex, multi-year workstreams of Enterprise Services, Datacenter Decommissioning, and Cloud Conversion
- Partner with lines of business and enterprise vendors for enterprise technology assessment, migration, and logistics management
- Directly manage and consult teams providing IT infrastructure strategy, design, risk assessment, and planning

Apr 2003 – May 2005 VistaOne Corporation Richmond, VA
Technical Partner

- Technical Partner for national hardware resale company
- Pre and post-sales engineering for Bluecoat PacketShaper devices and other leading-edge IT products to large regional/national companies and higher education
- Certified Packeteer Trainer for Packeteer Engineer Course (taught nationwide)
- Training Lab Design and Coordination for mobile lab and nationwide deployments

Jul 1996 – Feb 2000 Quality Control Services, Inc. Richmond, VA
Network Administrator

- Built network from a dozen unconnected PCs to a multisite WAN to include Frame Relay and ISDN links, NT Servers, and Windows clients
- Designed, installed, and configured WAN links and remote office LANs
- Design and installed telephone infrastructure
- Central Office equipment detail engineer/site surveyor
- Central Office equipment installer
- Worked extensively inside RBOC Central Offices directly with LEC/CLEC

Nov 1995 – Jul 1996 Comtrad Industries Richmond, VA
Telephone Sales Representative

- Technical telephone sales in an inbound-only environment
- Input catalog orders and handled customer inquiries

Aug 1993 – Aug 1995 Signet Bank Richmond, VA
Online Settlement Clerk

- Integral participant in the orchestrated nightly settlement of Signet Bank
- Worked in high-pressure proof/transit department

May 1990 – Aug 1993 McDonald's Restaurant Richmond, VA
Expeditious Consumable Products Technician

- Worked in all areas, trained new employees in all areas
- Worked part-time throughout high school

Public Service Experience

Jan 2018 – Nov 2018 Campaign for Congress, VA-07 Powhatan, VA
Candidate and Libertarian Nominee – www.joeforvirginia.com

- Started and ran a federal election campaign
- Sought and won Libertarian Party of Virginia nomination for the election
- Developed political message and campaign positions
- Directed outreach, volunteer support, and communications

Jan 2008 – Dec 2011 Powhatan County Board of Supervisors Powhatan, VA
Member, Board of Supervisors

- Elected in November 2007 for a four-year term, ran political campaign in 2007 and 2011
- Served as Chairman for 2011, Served as Vice Chairman for 2010
- Representing District 1 (northeast area) of Powhatan County – www.powhatanva.gov
- Responsible for an annual budget of \$20M and Capital Program of \$52M tailored to meet current and future growth needs
- Active member of regional public service boards and commissions succeeding with individual and collaborative efforts to guide policy and regulation formation

- American Society of Public Administrators (ASPA) Central Virginia Chapter – Assistant Secretary (2017 – 2018)
- Firehouse Theatre Project, Inc. Board of Directors (2005-2012), VP and President and Interim Managing Director (2007-2009)
- Byrd Theatre Foundation – Donor/Member
- WRIR-LP – Donor/Member
- Virginia Public Access Project (VPAP) – Donor/Member
- Wikimedia Foundation – Donor

Awards, Patents, and Recognition

- *Style Weekly* Top 40 Under 40 – 2008 Recipient
- Boy Scouts of America, Eagle Scout w/ Bronze Leaf – 1989 Recipient
- Patents: pending drafts

Information Technology Certifications

- (ISC)² Certified Information Systems Security Professional (CISSP) #388072
- Information Technology Infrastructure Library Version 3 Foundation Certified (ITIL v3)
- Cisco Certified Network Professional (CCNP)
- Microsoft Certified Systems Engineer (MCSE)
- MCP on Windows 2000 (Win2K NI)
- Cisco Certified Design Associate (CCDA)
- Cisco Certified Network Associate (CCNA)
- Packeteer Certified Engineer
- Packeteer Certified Trainer
- Sitesafe RF Hazard and Awareness Certified Technician
- A+ Certified Computer Technician

Past Civic Activity & Board Memberships

Public Policy

- Member, Virginia Coalition for Open Government – 2007-2011
- VACo Telecommunications & Utilities Steering Committee – 2010-2011
- Powhatan County Broadband Study Group – 2009-2011
- Vice-Chairman, Capital Region Workforce Partnership Chief Local Elected Officials Consortium Board (and Governance Committee Chair) – 2008-2011
- Central Virginia Health Planning Agency Board of Directors – 2008-2010
- Powhatan County Community Action Agency Advisory Board – 2008-2011
- Powhatan County Transportation Study Group – 2008-2011
- Huguenot Trail Advisory Committee (and Historical Subcommittee) – 2008-2011
- Richmond Regional Planning District Commission (RRPDC) – 2008-2011
- RRPDC Transportation Study Group – 2008-2011
- Richmond Area Metropolitan Planning Organization (and Exec. Comm.) – 2008-2011
- Capital Region Workforce Partnership Strategic Plan Committee Member – 2009
- Powhatan Citizens Planning Academy - 2006 Alumnus
- Powhatan Economic Action Council Member – 2008
- Powhatan County US 60 Overlay Citizen Work Group Member – 2006-2007
- Virginia Redistricting Coalition Advisory Board Member – 2007

Non-Profit

- Smart Beginnings Leadership Council – 2009-2011
- Firehouse Theatre Project Board of Directors (VP, 2007-08) – 2005-2012
- Pro bono publico Information Technology support for various Powhatan County and Richmond metropolitan non-profit organizations – 2004-Present
Capital Region Collaborative Organizing Team Member – 2009-2011
- Powhatan County Chamber of Commerce Board of Directors (3-year term) – 2007-2010
- Powhatan Tomorrow Co-chair – 2005-2007
- Powhatan Leadership Institute Planning Committee Member – 2007
- Creative Change Center (YRichmond) Board of Directors and Treasurer – 2005-2008
- Powhatan Leadership Institute - 2006 Alumnus