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## Campus

[University of Wisconsin–Madison](#)  
[Division of Information Technology](#)  
[1210 West Dayton Street](#)  
[3263 Computer Science](#)  
Madison, WI 53706-1685  
USA

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## Education

- 08/2016 — 02/2018  [Naval War College](#), Newport, RI  
[Joint Professional Military Education \(JPME\)](#)  
College of Naval Command and Staff
- 10/2014 — 04/2017  [University of Maryland University College](#), Adelphi, MD  
[MS, Cybersecurity Policy](#)  
GPA 4.0/4.0 (conferred 05/30/2017); UMUC is a [NSA/DHS Center of Academic Excellence](#)
- 03/2012 — 03/2013  [Naval Postgraduate School](#), Monterey, CA  
[Space Systems](#)  
GPA 4.0/4.0 (conferred 03/30/2013)
- 03/2009 — 05/2011  [American Military University](#), Charles Town, WV  
[MA, Intelligence Studies](#) (Information Warfare)  
Honors, GPA 4.0/4.0 (conferred 05/15/2011)
- 09/2009 — 05/2010  [University of Wisconsin–Madison](#), Madison, WI  
[Naval Science](#)  
Coursework in naval science
- 01/2006 — 02/2009  [American Military University](#), Charles Town, WV  
[BA, Intelligence Studies](#) (Information Operations)  
Honors, GPA 4.0/4.0 (conferred 05/15/2009)

08/1991 — 12/1993



[University of Michigan](#), Ann Arbor, MI  
[Electrical Engineering and Computer Science](#)  
[Affiliation information](#)

## Employment

12/2010 —



[United States Navy](#) Information Warfare Community  
[Cryptologic Warfare Officer \(1815\)](#)

*Information Warfare Officer, Maritime Space Operations Officer, Tactical Information Operations Officer*

Execute Cryptologic Warfare, which encompasses Signals Intelligence, Cyberspace Operations, and Electronic Warfare Operations in order to deliver effects through sea, air, land, space, and cyber domains at all levels of war.



[United States Intelligence Community](#)  
*Intelligence Professional*

Cyber and signals intelligence (SIGINT) policy, systems, and operations. Collect and convey the essential information the President and members of the policymaking, law enforcement, and military communities require to execute their appointed duties.

05/1995 —



[University of Wisconsin-Madison](#) [Division of Information Technology \(DoIT\)](#), Madison, WI  
*Information Technology Strategist* (current)  
[Enterprise Internet Services](#) (EIS) Wisconsin State Government; see [Wis. Stats. 230.08 \(3\) \(a\)](#)

Responsible for the strategic oversight and project management of the [Mobile UW](#) (Wisconsin app) initiative and functions within DoIT, which provide mobile applications development, production, and support to the UW–Madison campus. In conjunction with DoIT and the UW–Madison Relations & Communications office, lead the project management of the Mobile UW initiative and act as backup for campus-wide Mobile UW committee responsibilities in the absence of the Chief Operating Officer (COO).

Serves as the primary campus resource for the research, development, and application of new mobile technologies in support of UW–Madison's overall mission and future mobile initiatives. This encompasses the emergence of communication technologies (i.e., mobile applications, social media), and promotes on-demand access to content anytime and anywhere on any digital mobile device, as well as interactive user feedback, participation, and community formation around mobile content.

### *Previous assignments*

#### ***COOP Architect***

Responsible for Continuity of Operations (COOP) analysis and planning for critical cross-platform IT infrastructure, networks, and services within the UW–Madison enterprise data centers across two sites. This work involves providing leadership to technical teams, as well as interaction with executive management, commercial vendors, other divisions and departments, government agencies, and the general public.

#### ***Duty Technologist***

On–call position requiring comprehensive technical and organizational knowledge, which supports incident management, operations, and recovery during and after events that negatively impact enterprise IT services.

#### ***Emergency Management Officer***

Information Management staff for UW–Madison Emergency Operations Center (EOC), responsible for exercise planning and reliable information flow among EOC components, campus departments, law enforcement, state agencies, and other stakeholders.

## Experience

- Comprehensive experience in academic and government enterprise IT environments
- Cyber and signals intelligence (SIGINT) policy, systems, and operations
- Mobile technologies and mobile development
- Internet and networking standards and protocols
- Wireless communications and networking
- Emergency Management (EM)
- Knowledge Management (KM)
- Collaboration tools and social software
- Social software applications in government
- Information Assurance (IA)
- Project management
- Public speaking and presentation
- Presentation for courses and conferences
- Technical consulting, writing, and documentation
- Team leadership of diverse groups
- Continuity of operations (COOP) planning
- Incident Command System (ICS) (FEMA-certified)
- ITIL 2011 Foundation (certified)
- National Incident Management System (NIMS)
- Information Warfare (IW)/Information Operations (IO)

## Activities and Memberships

- 2011 —  [US Naval Institute](#) (USNI)
- 2010 —  [CAPT John W "Swede" Peterson Memorial Award](#) (Peterson Award)  
Founder
- 2010 —  [Navy Information Warfare Community Self Synchronization](#) Program Manager  
*Visit [IWCsync on Facebook](#)*  
*Visit [IWCsync on Twitter](#)*
- 2010 —  The Intel List ([INTELST](#))  
Moderator
- 2009 —  [Federal Knowledge Management Working Group](#) (KMWG)  
Chair, [Web 2.0 and Social Software Group](#), [Federal Knowledge Management Initiative](#)
- 2009 —  [Naval Intelligence Professionals](#) (NIP)
- 2008 —  [Homeland Infrastructure Foundation-Level Data Working Group](#) (HIFLDWG)
- 2008 —  [American Military University](#) University Ambassador  
*Visit the [AMU Group on Facebook](#)*  
*Visit the [AMU Page on Facebook](#)*

- 2008 —  [IO Link Administrator](#)   
 Visit [IO Link on Facebook](#)  
 Visit [IO Link on Twitter](#)
  
- 2007 —  [Intellipedia Administrator](#)  ([info](#))  
 Visit my [Intellipedia user page](#) 
  
- 2003 — 2009  [University of Wisconsin-Madison  
Emergency Operations Center \(EOC\)](#)  
 Primary Information Management Group Member
  
- 2001 —  [Apple Distinguished Educator \(ADE\)](#)
  
- 1998 —  [Apple University Executive Forum \(UEF\)](#)  
 Formerly Apple University Consortium (AUC)
  
- 1996 —  [Apple Developer Programs](#)
  
- 1993 — 2000  [National Computer Security Center \(NCSC\)](#)  
[Trusted Product Evaluation Program \(TPEP\)](#)

## Courses, Seminars, and Talks

[University of Wisconsin System IT Leaders Program](#)

[Wisconsin National Guard/Milwaukee HIDTA](#) Intelligence Analyst Workshop 2011 Presenter

[US Navy DCOIC](#) Class 11060 Division Officer (DVO)

[CIC Operations and Infrastructure Conference 2011](#) Presenter

[WWDC 2010](#) Presenter

[WIRe Conference 2010](#)

[Knowledge Management 2009](#) Presenter

[EDUCAUSE 2008](#) Presenter

[DNI Open Source Conference 2008](#)

[WIRe and ICES Enterprise 2.0 Conference 2008](#) Staff 

[Intellipedia Unconference 2008](#) Presenter 

[WWDC 2006](#) Presenter (QuickTime Streaming for IT)

[WWDC 2005](#) Presenter (Enterprise Streaming Services with QuickTime)

[WWDC 2004](#) Presenter (QuickTime in the Enterprise)

[MacEnterprise](#) Day 2005 Presenter ([Enterprise Streaming Services](#))

[MacEnterprise.org webcast series](#) Presenter ([DATN](#))

Apple Executive Briefing: Customer Perspective (26 Oct 2006)

[Lockdown](#) Presenter (2002, 2003, 2004, 2005, 2006)

[Mac OS X Security](#) Instructor

[Mac OS X Systems Management](#) Instructor

[UNIX for Mac OS X](#) Instructor

## Interviews and Articles

[Xserve's death not a deterrent for many IT admins](#) (CNET)

[IT admins mourn Xserve's death](#) (CNET)

[Open letter to Jobs calls for OS X Server virtualization](#) (MacNN)

[Dear Steve: Educator's open letter asks for Mac OS X Server virtualization on non-Apple hardware](#) (Mac Daily News)

[Apple to Allow Virtualization of Leopard](#) (TidBITS)

[Apple Education Profiles - University of Wisconsin](#) (Apple)

[Duke Resolves iPhone, Wi-Fi Outage Problems](#) (eWeek)

[MacTech Spotlight](#) (MacTech, August 2007)

[Another Minor AirPort Vulnerability Exposed](#) (TidBITS)

[Finding Tom Cruise \(Not Cruise Missiles\) - As Web Video Grows, Search Engines Race to Solve Problem of Locating Content That Has No Text](#) (Wall Street Journal, 12 Oct 2006, D1)

[Macs and Grant Site Just Don't Click](#) (Washington Post, print edition, 13 Sept 2006, A15)

[UW comes to the rescue for Fed agency and its Mac users](#) (University of Wisconsin)

Mac OS X Security Test ([VNUnet](#), [Inquirer](#), [Macworld](#), [SecurityProNews](#), [MacNN](#), [CNET News.com](#), [ZDnet](#), [Silicon.com](#), [SecurityFocus](#), [The Guardian](#), [BusinessWeek](#), [InformationWeek](#), [The Register](#), [slashdot](#), [digg](#), [fark](#))

[CherryOS Emulator Faces Licensing Problems](#) (LinuxInsider)

[CherryOS Re-Released, Still Fishy](#) (Wired)

[Cherry accused of picking Pear's fruits](#) (PC Pro UK)

Browser Wars (Core Weekly, print edition)

[New Tricks Fool Caller ID](#) (Washington Post, 30 Oct 2004, E1)

[Nasty New Mac Malware](#) (Wired)

[Maui Tech Company Denies Stealing Code](#) (Honolulu Star-Bulletin)

[CherryOS: Free Trial Next Month](#) (Wired)

[November Harvest for CherryOS](#) (Wired)

[CherryOS not BS, Author Says](#) (Wired)

[OS X Trojan Horse Is a Nag](#) (Wired)

[Mac OS X: A Common Sense Perspective](#) (X Appeal)

[MacInTouch](#) | [MacNN](#) | [MacMinute](#)

*iPod battery issues/ipodbatteryfaq.com*

[Apple Tackling iPod Battery Issues](#) (MTV)

[An iPod battery reality check](#) (St. Paul Pioneer Press)

[...numerous articles in The Guardian](#) (The Guardian UK)

[Apple acts after battery of iPod complaints](#) (The Times UK)

[Most happy with iPod battery](#) (Macworld UK)

[iPod Battery Controversy Hits The Mainstream](#) (loose wire)

iPod battery tips (Macworld, April 2004, p.20)

## **Papers and Publications**

[Cybersecurity Approaches for the Internet of Things](#), [University of Maryland University College](#), February 20, 2017

[Navy Cryptologists: Leaders Across the Spectrum](#) (team member), June 2016

[The Evolution of Navy Cryptology](#) (written for VADM Jan Tighe), March 11, 2016

[Apple believes it is protecting freedom. It's wrong. Here's why.](#) *Center for International Maritime Security*, February 19, 2016

[F-35 Fanboy Makes His Case](#), *Center for International Maritime Security*, February 26, 2015

[Space: The Next Cyber Frontier?](#), [Naval Postgraduate School](#), December 2012

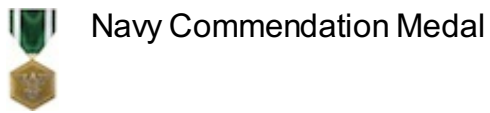
[Fostering Collaboration and Conversation Across the Navy Information Dominance Corps](#), *InfoDOMAIN*, Winter 2012, p. 32

[Efficacy and Adoption of Central Web 2.0 and Social Software Tools in the U.S. Intelligence Community](#), [American Military University](#), March 2011 (Masters Thesis)

[China: On the March to Virtual Conflict](#), November 2010

[Report and Recommendations on Web 2.0 and Social Software](#), Federal Knowledge Management Initiative, April 2009

## **Honors**



Navy Commendation Medal



Joint Meritorious Unit Citation



Navy Achievement Medal  
(Two awards)



Armed Forces Reserve Medal  
with "M" device



National Defense Service Medal



Global War on Terrorism Service Medal



Navy Expert Rifle Medal



Navy Expert Pistol Medal



[Navy Officer Training Command  
Operational Leadership Award](#)



[Pi Gamma Mu \(πΓΜ\)](#)



[Delta Epsilon Tau \(ΔΕΤ\)](#)



[Golden Key International Honour Society](#)



[AMU President's Honors](#)



[Apple Distinguished Educator](#)

## Military



Cryptologic Warfare Officer (1815) and Information Warfare Officer, [United States Navy](#)



Honorable Discharge, [United States Air Force](#)



[Air Force ROTC Type 1 Scholarship](#) recipient

## Personal

Born: Los Angeles County, CA

Citizenship: United States



Married

## References

Available upon request