

CONTACT INFORMATION	Regis University 3333 Regis Boulevard, Mail Code L-12 Denver, CO 80221-1099	<i>skirkman@regis.edu</i> www.stephenkirkman.org
SUMMARY	Assistant Professor at Regis University College of Computer and Information Sciences. Over 25 years of professional experience. Six years of active duty Air Force and over 14 years of experience in industry supporting the Department of Defense and US Intelligence Community. Experience in certification and accreditation of systems, system administration, software development with a specialization in cyber and computer security.	
EDUCATION	<ul style="list-style-type: none"><li>• PhD Computer Engineering, August 2019. University of Florida, Gainesville, FL. Advisor: Richard Newman, PhD. Dissertation Title: Trust Framework for the Cloud using a Model of Trust, Data Movement Policies, and Decentralization using Blockchain Technology</li><li>• MS Computer Science, 2009, University of Illinois, Springfield, IL. Advisors: Ted Mims, PhD, Kamyar Dezhgosha, PhD</li><li>• MBA Business Administration, 2000, Regis University, Denver, CO</li><li>• BS Computer Science, 1992, Portland State University, Portland, OR</li></ul>	
CERTIFICATIONS	CISSP, Certified Information System Security Professional, <i>ISC</i> <sup>2</sup> Status: Current. Active since Oct 2003	
RESEARCH EXPERIENCE	Researching cloud trust frameworks, cloud security, blockchain technology with Dr. Richard Newman of University of Florida, May 2016 to present.	
REFEREED PUBLICATIONS	<ol style="list-style-type: none"><li>1. Stephen Kirkman and Richard Newman. "A Trust Model for Cloud: Results from a Survey." Proceedings of the Future Technologies Conference, 2019, Springer, Cham, Switzerland</li><li>2. Stephen Kirkman and Richard Newman, "InterCloud: A Data Movement Policy DApp for Managing Trust in the Cloud." 5th Annual Conf. on Computational Science and Computational Intelligence (CSCI'18), Dec 13-15, 2018, Las Vegas, NV</li><li>3. Stephen Kirkman and Richard Newman, "A Cloud Data Movement Policy Architecture Based on Smart Contracts and the Ethereum Blockchain." First IEEE Workshop on Blockchain Technologies and Applications (BTA) 2018, Orlando, FL</li><li>4. Stephen Kirkman, "A Data Movement Policy Framework for Improving Trust in the Cloud Using Smart Contracts and Blockchains." IEEE International Conference on Cloud Engineering (IC2E) 2018 Doctoral Symposium, Orlando, FL</li><li>5. Stephen Kirkman and Richard Newman, "Using Smart Contracts and Blockchains to Support Consumer Trust Across Distributed Clouds." WorldComp, GCC'17 - The 13th Int'l Conf on Grid, Cloud, and Cluster Computing, Las Vegas, NV</li><li>6. Stephen Kirkman and Richard Newman, "Bridging the Cloud Trust Gap: Using ORCON Policy to Manage Consumer Trust Between Different Clouds." 1st IEEE International Conference on Edge Computing (EDGE 2017), June 25 - June 30, 2017, Honolulu, HI</li></ol>	

7. Stephen S Kirkman and Kamyar Dezhgosha, "Security review of P2P applications and networks." ICOMP'11 - The 2011 International Conference on Internet Computing, Las Vegas, NV

INVITED TALKS	<p>Trust Framework for the Cloud Trust Using a Model of Trust, Data Movement Policies, and Blockchains:</p> <ul style="list-style-type: none"> <li>• 2019 University of Northern Colorado, Monfort College of Business, Greeley, Co.</li> <li>• 2019 Regis University, College of Computer and Information Sciences, Denver, Co.</li> </ul>
FELLOWSHIPS	<ul style="list-style-type: none"> <li>• 2017: University of Florida Graduate School Fellowship</li> <li>• 2014 - 2016: National Defense Science and Engineering Graduate (NDSEG) Fellowship</li> <li>• 2013: Harris Scholarship, University of Florida</li> <li>• 2013: University of Florida Graduate School Fellowship</li> </ul>
EDUCATIONAL HONORS	<ul style="list-style-type: none"> <li>• Graduate Honors, GPA: 4.0, 2009, University of Illinois at Springfield, IL</li> <li>• Graduate Honors, <i>Cum Laude</i>, GPA: 3.93, 2000, Regis University, Denver, CO</li> </ul>
AWARDS	<ul style="list-style-type: none"> <li>• Data Systems Analysts Customer Service Award, Feb 2007</li> <li>• National Reconnaissance Office Chief Information Officer Award, Sept 2005</li> <li>• Northrop Grumman (NG) Company Performance Awards for both Aug 2003 and Dec 2003</li> <li>• NG, Employee of the Quarter, Satellite Support Program, Division Award, June 2002</li> <li>• NG, Performance Award (for security engineering support to demanding and time sensitive technical implementation), 2002</li> <li>• Air Force Achievement Medal (for meritorious service), Aug 2000</li> <li>• AF Missile Combat Crew of the Quarter, 321st Missile Squadron, December 1999</li> <li>• AF Promoted to Senior Airman, Below the Zone, Oct 1995 (only top 15% of airman are promoted this way).</li> <li>• Headquarters United States Air Force Airman of the Quarter, 3rd Quarter, 1995</li> <li>• Air Force Pentagon Communications Agency (AFPCA), Airman of the Quarter, 3rd Quarter, 1995</li> <li>• Air Force Achievement Medal, 1995</li> </ul>
TEACHING EXPERIENCE	<ul style="list-style-type: none"> <li>• Assistant Professor, Program Coordinator for BS in Cybersecurity, Regis University, Denver, Co, August 2019 - Present <ul style="list-style-type: none"> <li>CSEC 336 - Database Management System Security</li> <li>CSEC 250 - Network Concepts, Technology, Protocols, and Defense</li> <li>CSEC 210 - Information Assurance and Cryptography Basics</li> </ul> </li> <li>• PhD Candidate, University of Florida, Gainesville, FL, August 2013 - July 2019 <ul style="list-style-type: none"> <li>Teaching Assistantships for Richard Newman, PhD <ul style="list-style-type: none"> <li>Intro to Cryptology (CIS 4362), Fall 2018</li> <li>Computer and Information Security (CIS 4360), Fall 2018</li> <li>Digital Currencies (CIS 4930/6930, inaugural course), Spring 2018</li> <li>Intro to Cryptology (CIS 4362), Fall 2017</li> </ul> </li> <li>Teaching Assistantships for Manuel Bermudez, PhD <ul style="list-style-type: none"> <li>Software Engineering (CIS 3031), Spring 2014</li> <li>Algorithms (COP 3530), Fall 2013</li> </ul> </li> </ul> </li> </ul>

PROGRAMMING EXPERIENCE	Languages: C, C++, Pascal, Scala, Ruby, Python, Lisp, UNIX shell scripting, GNU make, Solidity Blockchain Language	
INDUSTRY EXPERIENCE	Security Engineer, Stratagem Group, Inc, Denver, CO Security Engineer, Northrop Grumman, Various Locations Consultant and Graduate Student Security Engineer, Data System's Analysts, Fairfax, VA Accreditation Officer, TASC, Inc, Chantilly, VA Security Engineer, TASC, Boulder, CO System Administrator, TASC, Schriever AFB, Falcon, CO Software Developer, Logicon, Boulder, CO Air Force, See Military Experience, Various Locations Crewmember, Arctic Storm, Inc., Seattle, WA <ul style="list-style-type: none"> <li>• Crewmember aboard fishing vessel in the Bering Sea. Port of call at Dutch Harbor, Unalaska, in the Aleutian Islands. <a href="http://www.arcticstorm.com/vessels">http://www.arcticstorm.com/vessels</a></li> </ul>	Aug 2012 - Aug 2013 May 2010 - Aug 2012 Jul 2007 - Apr 2010 Oct 2005 - Jul 2007 Feb 2004 - Oct 2005 Nov 2001 - Jan 2004 Mar 2001 - Nov 2001 Jun 2000 - Feb 2001 Dec 1993 - Jun 2000 1990
ACTIVE DUTY USAF EXPERIENCE	Combat Crew Commander, 1LT, FE Warren AFB, WY Space and Missile Trainee, 2Lt, Vandenberg AFB, CA Officer Trainee, Maxwell AFB, AL Unix Systems Administrator, SrA, Washington, DC. Basic Trainee, A1C, Randolph AFB, TX	Mar 1997 - Jun 2000 Jun 1996 - Feb 1997 Apr 1996 - Jun 1996 Mar 1994 - Mar 1996 Dec 1993 - Feb 1994