**Robert T. Jones**PO Box 312474
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CURRICULUM VITAE

**EDUCATION**

**Ph.D.** Texas A&M University, August 2004

**M.S.** Texas A&M University, August 2003

Program Area: **Leadership Education**

**B.S.** Texas A&M University, August 1998

Program Area: **Agricultural Development**

**RESEARCH INTERESTS**

* **Cybersecurity and Digital Ethics**—examining policies and practices related to developing and training cybersecurity ethos with a focus on ethical hacking
* **Gamer Psychology**—analysis of the trends and personality factors involved in video gaming, including learning by using video game technology
* **HRIS Systems**—merging the world of human resource management with technology systems

**PROFESSIONAL EXPERIENCE IN HIGHER EDUCATION**

**June 2024 – present**

**Faculty,** Texas A&M University – San Antonio. Department of Computational, Engineering, and Mathematical Sciences, College of Arts and Science.

**January 2019 – present**

**Faculty/Adjunct Faculty,** Alamo Community College District. San Antonio College (2019 – 2020, Adjunct/Computer Information Systems), St. Philips College (2021 – present, full time- Information Technology/Cybersecurity). San Antonio, TX

**January 2014 – May 2020**

**Lecturer (part-time),** Department of Management and Marketing, College of Business Administration, Sam Houston State University, Huntsville, TX

**January 2018 – August 2018
Lecturer (part-time),** Department of Entomology, Forensics and Investigative Sciences, College of Agriculture and Life Sciences, Department of International Affairs, George Bush School of Government and Public Service, Department of Military Science, School of Military Science, Texas A&M University, College Station, TX

**January 2015 – July 2018**

**Assistant Director and Chief Architect, Texas Cyber Range,** Texas A&M Cybersecurity Center, Texas Engineering Experiment Station, College Station, TX

**June 2015 – July 2018**

**Director of Research Technology,** Center for Research and Development in Dual Language Literacy and Acquisition, Texas A&M University, College Station, TX

**June 2015 – July 2018**

**Communications Manager,** Education Leadership Research Center, Texas A&M University, College Station, TX

**January 2014 – May 2017**

**Clinical Assistant Professor,** Technology Management, Department of Educational Administration & Human Resource Development, Texas A&M University, College Station, TX

**September 2010 – August 2015**

**Professor (part-time),** Computer Information Technology, Blinn College, Bryan, TX

**PROFESSIONAL EMPLOYMENT EXPERIENCE IN INDUSTRY**

**May 2001 – present**

**Owner,** Keystone Solutions LLC, College Station/New Braunfels, TX, USA

**January 2018 – August 2018**

**Reviewer- Center of Academic Excellence in Cyber Defense Operations,** National Security Agency, Ft. Meade, MD, USA

**October 2017 – August 2018**

**Center of Academic Excellence in Cyber Defense Education Reviewer,** National Security Agency through Northern Virginia Community College, Alexandria, VA

**September 2017 – August 2018**

**Center of Academic Excellence in Cyber Defense Education Mentor,** National Security Agency through Whatcomm Community College, Bellevue, WA

**November 2012 – January 2014**

**ERP Database Administrator III/System Administrator IV,** Enterprise Services/Infrastructure Support and Services, Sam Houston State University, Huntsville, TX, USA.

**December 1994 – March 2016**

**Network Engineer,** Fitzhugh and Elliott P.C., Houston, TX, USA

**August 2002 – July 2005; July 2006 – October 2012**

**Identity Management Officer / Lead System Administrator,** Infrastructure Systems and Services, Texas A&M University, College Station, TX, USA

**July 2005 – July 2006**

**Chief Technology Officer, Adjunct Faculty Business and Technology, Adjunct Faculty Community Outreach,** Montana State University, Great Falls, MT, USA

**March 2000 – December 2002**

**Manager, Global Data Network Engineering,** Viatel, Inc./VTL (UK) Ltd, Egham, Surrey, United Kingdom and Bryan, TX, USA

**August 1998 – March 2000**
**Communications Engineer,** Shell Services International, Houston, TX, USA.

**May 1996 – August 1998**

**Consulting Network Engineer,** British Telecommunications, plc. and British Telecom North America, Inc., London, Docklands, United Kingdom/Houston, TX, USA

**CERTIFICATIONS/BADGED CREDENTIALS**

* ACUE Inspiring Inquiry and Lifelong Learning in Your Online Course, 12/30/2023
* Quality Matters 7th Edition, 12/21/2023
* ACUE Inclusive Teaching for Equitable Learning, 12/4/2022
* ACUE Creating an Inclusive and Supportive Online Learning Environment, 4/15/2022
* St. Philip’s College Master Teacher Certification, 4/27/2021
* Applying the Quality Matters Rubric, 2/24/2021
* AWS Academy Graduate - AWS Academy Cloud Foundations, 11/23/2020
* Certified Professional Ethical Hacker #646800, 3/6/2017

**HONORS & AWARDS**

* New Faculty Institute Graduate with Distinction, 2021
* Outstanding Issue Award, Advances in Developing Human Resources Journal, 2017
* University Open Access Award, University Libraries/Student Government Association, 2016
* University Tier One Program, Dean of Faculties, 2016
* University Professor of Practice, Center for Teaching Excellence, 2015
* University Service Learning Fellow, 2014
* University High Impact Faculty Fellow, 2014
* Employee of the Semester, Texas A&M University, 2012

**PUBLICATIONS AND PRESENTATIONS**

**A. Chronicle of Higher Education Article**

1. “How to Revamp a Curriculum Quickly — but Not Too Quickly” featuring personal efforts to create a Cybersecurity minor field of study at Texas A&M University. Chronicle of Higher Education, May 21, 2017. Available at https://www.chronicle.com/article/how-to-revamp-a-curriculum-quickly-but-not-too-quickly/

**B. Refereed Journal Articles**

2. **Beyerlein, M., Jones, R., Peck-Parrot, K**. (June 2017). Leveraging

Undergraduate HRD Programs to Advance Practice and Research. Advances in

Developing Human Resources 19(2).

1. **Lindner, J., Edney, K, Jones, T.** (2010). Using Instructional Technologies Outside the Classroom: Graphing Calculators and the Texas FFA Agricultural Mechanics Career Development Event. Journal of Southern Agricultural Education Research: Vol 60, 2010.

**C. Invited Presentations at Conferences**

10. **Jones, T.** (2021). Preparing for the Simulcast Classroom of the Future. Session presentation at the EduTECH conference, Alamo Colleges.

9. **Jones, T.** (2020). Investigating the World of Tecara Prime: Gamification of a Information Security Course. Session presentation at the EduTECH conference, Alamo Colleges.

8. **Jones, T.** (2018). Digital Forensics and Incident Response Curricular Development at Texas A&M University. Session presentation at the National Security Agency National Cybersecurity Curricular Program, South Lake Tahoe, CA.

7. **Jones, T.** (2017). Threat-based gamification engineering for courses. Session presentation at the National Centers of Academic Excellence Session, National Institutes of Standards and Technology Conference, Dayton, OH.

6. **Jones, T.** (2017). Interdisciplinary service learning and learning communities: Integrating high-impact practices into a classroom of students from different disciplines. Session presentation at the Wakonse South Conference, Burnet, TX.

5. **Jones T.** (2017) Cybersecurity Frontiers. Session presentation at the Texas A&M University Information Technology System Conference, Galveston, TX.

4. **Jones, T.** (2016). Beyond the Pale: Game Theory in the Classroom. Session presentation at the Wakonse South Conference, Burnet, TX.

3. **Jones, T.** (2015). Using Twitter in the Classroom. Session presentation at the Wakonse South Conference, Burnet, TX.

2. **Jones, T., Martinez, J.** (2015). Temporal Changes in Texas A&M Demographics Visualized Through Music. Session presentation at the Texas A&M University Climate Matters Conference, College Station, TX.

1. **Jones, R., and Edney, K.** (2003). Student Competencies with Graphing Calculators and Achievement in the Texas FFA Agricultural Mechanics Career Development Event. Session presentation at the annual meeting of the National Agricultural Education Research Conference, Orlando, FL.

**D. Guest Lecturing/Invited Teaching**

16. **Jones, T.** (2019, February 13-15). Cybersecurity Fundamentals. Presented to
 Quantico students in the Microsoft Systems Software Academy.

15. **Jones, T.** (2018, September 21). Digital Forensics. Presented to Dual Credit students enrolled in the Alamo Academy from Alamo Community College District. New Braunfels, TX.

14. **Jones, T.** (2018, October 12). Introduction to Cybersecurity. Presented to Dual Credit students enrolled in the Alamo Academy from Alamo Community College District. New Braunfels, TX.

13. **Jones T.** (2017, November 13). Digital Forensics. Presented to undergraduate students in FIVS 205. College Station, TX: Texas A&M University.

12. **Jones, T.** (2017, September 28). Social Media, Dark Web, and Terrorism. Presented to the students in PSAA 660. College Station, TX. Texas A&M University.

11. Davis, D., and **Jones, T.** (2017, September 27). Cyber: Policy, Issues, and Security. Presented by the Government Services Unit. College Station, TX. Texas A&M University.

10. **Jones, T.** (2017, September 14). Cyber Operations. Presented to graduate students in PSAA 608. College Station, TX: Texas A&M University.

9. **Jones, T.** (2017, February 15). Cyber Operations. Presented to graduate students in PSAA 608. College Station, TX: Texas A&M University.

8. **Jones T.** (2016, November 21). Digital Forensics. Presented to undergraduate students in FIVS 205. College Station, TX: Texas A&M University.

7. **Jones T.** (2016, October 20). Cyberterrorism: The Homegrown Threat. Presented to graduate students in PSAA 660. College Station, TX: Texas A&M University.

6. **Jones T.** (2016, March 4). Unix System Security Vulnerabilities. Presented to undergraduate students in CSCE 465. College Station, TX: Texas A&M University.

5. **Jones T.** (2016, April 8). Ethical Penetration in Hacking Scenarios. Presented to undergraduate students in CSCE 465. College Station, TX: Texas A&M University.

4. **Jones T.** (2015, April 15). Digital Forensics. Presented to undergraduate students in FIVS 205. College Station, TX: Texas A&M University.

3. **Jones T.** (2014, October 24). Digital Forensics. Presented to undergraduate students in FIVS 205. College Station, TX: Texas A&M University.

2. **Jones T.** (2014, October 10). Cyber-ethics. Presented to undergraduate students in ALED 424. College Station, TX: Texas A&M University.

1. **Jones T.** (2014, April 16). Intersections of Human Resource Development and Technology Management. Presented to undergraduate students in FIVS 481. College Station, TX: Texas A&M University.

**MEMBERSHIPS & AFFLIATIONS**

* FBI InfraGard, Houston Chapter
* Air Force Association CyberPatriot Program
* Texas Community College Teacher’s Association
* Texas Association of College Technical Educators

**SERVICE**

**A. Editorial Positions**

* Technical Editor, Advancing Women in Leadership Journal, July 2015 – July 2018

**B. Institutional Level Service**

* Focus Group on Early Alert System for Alamo Colleges (February 2022)
* Search Committee Member, Disability Support Services Advisor (February 2022)
* Quality Enhancement Plan Committee Member (September 2021 – present)
* Dean’s Faculty Advisory Committee (October 2015 – February 2017)
* Dean’s Council (October 2015 – February 2017)
* Caucus Leader, Faculty Senate, College of Education and Human Development (October 2015 – February 2017)
* Parliamentarian, Texas A&M University Faculty Senate (February 2017 – August 2017)
* Academic Professional Track, Faculty Senate Subcommittee (May 2014 – May 2017)
* Principal Author, Texas A&M Accreditation as a Center of Academic Excellence in Cyber Operations, (January – May 2017)
* Faculty Senate, Place 2, College of Education and Human Development (October 2014 – May 2017)
* Principal Author, Texas A&M Accreditation as a Center of Academic Excellence in Cyber Defense Education, (January – March 2016)
* Co-author, Texas A&M Accreditation as a Center of Academic Excellence in Cyber Defense Research, (January – March 2016)
* Chair, University Climate and Workforce Development Committee (2015 – 2016)
* Member, University Core Curriculum Council (June 2016 – May 2017)
* Lead Author/Curricular Development, Cybersecurity Minor (2015)
* Maroon and White Leadership Fellow Faculty Sponsor (2015 – 2017)
* Faculty Advisor, Association of Information Technology Students (2015 – 2016)
* Faculty Advisor, Texas A&M Cybersecurity Club (2015 – 2018)

**C. Departmental Service**

* Cyber Tigers Faculty mentor (competition team and club) (2022 – present)
* Web redesign, St. Philip’s College Cybersecurity Center (2021)
* Curricular Development Cycle (Fall 2016), Minor in Technology Management
* Undergraduate Research Sponsor (2016 – 2017)
* Search Committee Chair (undergraduate HRD), Fall 2015
* Undergraduate Research Sponsor (2015 – 2016)
* Undergraduate Winning Team: Student Research Week, 2015
* Search Committee Member (undergraduate HRD), Summer 2015
* Undergraduate Program Coordinator (June 2014 – May 2015)
* Restructuring of degree programs following Academic Program Review

**D. Community Service**

* New Braunfels Food Bank, October 2021 – present
* CyberPatriot Mentor, U.S. Air Force Association, May 2017 – present
* New Braunfels Presbyterian Church, Sanctuary Choir, August 2023 – present

**DISSERTATION ADVISING AND COMMITTEES**

**A. Doctoral Committee Memberships**

2. Joshi, Suresh (2017 February – 2018 June). Completed. Department of Educational Psychology, Texas A&M University.

1. Lightfoot, Robert (2016 December – 2021 June). Completed. Department of Computer Science and Engineering, Texas A&M University.

**FUNDED SPONSORED RESEARCH**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Agency | Role | Title | Award Amount | Period Covered | Yearly Months | Location |
| Department of Defense | PI | Developing Human Capital in Cybersecurity for the Department of Defense | $84,085 | 7/15/2024 – 8/31/2025 | .75 | Comal County, TX |
| Luminary Labs/ DoED | Lead Teach | CTE Cybernet: San Antonio | $85,000 | 3/1/2023 – 8/31/2024 | 2 | Bexar County, TX |
| Luminary Labs/ DoED | Lead Teach | CTE Cybernet: San Antonio | $52,000 | 3/1/2022 – 8/31/2023 | 2 | Bexar County, TX |
| Luminary Labs/ DoED | Lead Teach | CTE Cybernet: San Antonio | $52,000 | 10/1/2019 – 8/31/2020 | 2 | Bexar County, TX |
| Office of the Texas Governor | PI | ASTI: Workforce Education Training | $500,000 | 9/1/2019 – 6/30/2020 | 1 | Bexar & Comal County, TX |
| NSA | Co-PI | Cyber Leader Scholar Program for DoD | $73,479 | 8/1/2019 – 6/30/2020 | .8 | Amory, MS |
| DoEd | Co-PI | Literacy-Infused Science Using Technology Innovation Opportunity (LISTO) | $12,000,000 | 1/1/2017 – 8/31/2018 | 1.2 | College Station, TX |
| NSF | Co-PI | TAMU Cyber-leader Scholarship Program | $4,452,010 | 9/1/2017 – 8/31/2018 | 1.5 | College Station, TX |
| NSA via Virginia Tech | PI | The Texas Cyber Range: Interstate Capacity Building | $186,746 | 8/1/2017 – 7/31/2018 | 2.0 | College Station, TX |
| NSA | Co-PI | Course Capacity Building for the Texas Cyber Range | $132,297 | 4/10/2017 – 4/25/2018 | 2.5 | College Station, TX |
| Air Force Research Lab via Clarkson  | Co-PI | Capacity Building in Cybersecurity through the Cyber-Leader Scholars Program | $499,979 | 9/1/2017 – 12/31/2018 | 0.25 | College Station, TX |
| NSF | SrPers | Cyberinfrastructure Security Education for Professionals and Students | $499,996 | 9/1/2017 – 8/31/2018 | 1.0 | College Station, TX |
| DARPA via Two Six Labs LLC | Co-PI | Project Plan X | $252,550 | 9/1/2017 – 8/31/2018 | 1.0 | College Station, TX |
| DoEd | Sr Pers | Project Empowering Teachers of English Language Learners | $5,500,000 | 9/1/2016 – 8/31/2018 | 1.0 | College Station, TX |
| NSA | Co-PI | GenCyber 2018 | $100,000 | 3/1/2018 – 8/31/2018 | 1.0 | College Station, TX |
| NSA | Co-PI | The Cyber-Leader Scholarship Program: Developing Human Capital in Cybersecurity  | $334,010 | 9/1/2017 – 8/31/2018 | 2.0 | College Station, TX |
| NSA | Co-PI | Engaging the Future: Human Capacity Building in Cybersecurity | $199,968 | 09/08/16 – 03/31/2018 | 1.5 | College Station, TX |
| NSF/NSA | Co-PI | GenCyber: Teach the Teacher: Summer Camp | $100,000 | 3/28/2017 – 3/27/2018 | 1.0 | College Station, TX |

**NON-SPONSORED RESEARCH AND GRANT ACTIVITY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Jan-22 | Perkins via St. Philip’s College | PI | Raspberry PIs for Linux Instruction | $3,360 |
| Nov-21 | St. Philip’s College Instructional Innovation | Co-PI | Preparing the Simulcast Classroom of the Future | $7,400 |
| Sep-16 | TAMU Health Science Center | PI | Additional Cisco Network Equipment for Enhancing the EDCT 616 Lab Environment | $103,000 |
| Jun-16 | Dean of Faculties | Co-PI | Famine to Feast: Engaging Texas Food Banks | $291,000 |
| Dec-15 | TAMU Office of Diversity | PI | Temporal Analysis of Enrollment at Texas A&M University's Schools and Colleges through Digital Musical Composition and 3D Printed Visualization | $2,300 |
| Sep-15 | CEHD | PI | Rita Haynes Transfer Learning Community | $5,000 |
| Jun-15 | Center for Teaching Excellence | PI | Pilot Program for Instructional Professors of Practice | $5,000 |
| Jun-15 | Dean of Faculties | PI | "Flip Your Course" | $2,000 |
| Apr-15 | TAMU IT | PI | UAF Computer Award | $2,850 |
| Feb-15 | George Bush Presidential Library Foundation | PI | Enhancing Collaboration between Texas A&M University and Taiwanese Institutions | $5,000 |
| Jan-15 | Amazon Web Services | PI | Amazon AWS EC2 | $550 |
| Dec-14 | Confucius Institute | PI | China Study Abroad Program Grant | $8,000 |
| Sep-14 | Associate Provost Undergraduate Programs | PI | Development of Academic Advising Training Materials | $7,000 |
| Jun-14 | Center for Teaching Excellence | PI | University Service Learning Fellow | $3,000 |
| Jun-14 | Center for Teaching Excellence | Co-PI | University High Impact Faculty Fellow | $3,000 |
| Jan-14 | Amazon Web Services | PI | Amazon AWS EC2 for EHRD 489 | $2,400 |

**CURRICULAR DEVELOPMENT**

**Developed at Texas A&M University- San Antonio**

Cybersecurity
CISA/CSEC 4324- Penetration Testing

**Developed at St. Philip’s College**

Information Systems

ITNW 1308- Installing and Supporting Client Operating Systems
ITNW 1413- Computer Virtualization

ITNW 1425- Fundamentals of Networking

ITNW 2412- Routers

ITSC 1316- Linux Installation and Configuration

ITSY 1342- Information Technology Security
ITSY 2301- Firewalls and Network Security

**Developed at San Antonio College**

Information SystemsITSC 2325- Advanced Linux
ITSY 2430- Intrusion Detection

**Developed at Sam Houston State University**

Information Systems
MGIS 3310- Information Technology

Human Resource Management
MGMT 3330- Human Resource Management

**Developed at Texas A&M University**

Cybersecurity

CYBR 601- Fundamentals of Cybersecurity

CYBR 684- Professional Internship

Minor field of study- Cybersecurity (housed in the College of Engineering)

Certificate in Cybersecurity Policy (housed in the George Bush School of Government and Public Service)

Creation of CYBR prefix

Human Resource Development

EHRD 210- Legal and Ethical Environment of Human Resource Development

EHRD 289- Special Topics: Technology and End-User Support

EHRD 315- Applied Human Resource Development in the Workplace

EHRD 474- Distance Networking for Training and Development

EHRD 476- Managing Technical Networks

EHRD 481- Capstone Seminar HRD/TCM

EHRD 484- Professional Internship

Complete overhaul of B.S. HRDV following Academic Program Review

Forensic Investigative Science

FIVS 310- Digital Forensics and Incident Response

International Affairs

INTA 690- Cybersecurity Literacy for the Global Arena

Military Science

MLSC 485- Cybersecurity Leadership

Technology Management

TCMG 272- Technology and End User Support

TCMG 274- Distance Networking for Training and Development

TCMG 285- Directed Studies

TCMG 303- Unix System Administration Practices

TCMG 304- Applied Server Security, Identity and Access Management

TCMG 308- Cybersecurity and Digital Ethics

TCMG 412- Contemporary Issues in Technology Management

TCMG 476- Managing Technical Networks

TCMG 484- Professional Internship

TCMG 485- Directed Studies

TCMG 491- Research

Minor field of study- Technology Management

Creation of TCMG prefix

Complete overhaul of B.S. TCMG following Academic Program Review

**Developed at Blinn College**
Information Technology
ITSC 1407- Unix Operating Systems I
ITSC 2437- Unix Operating Systems II