Accessibility Statement: If you need this document in an alternate format for accessibility purposes (e.g. Braille, large print, audio, etc.), please contact Ahmad Ghafarian at ahmad.ghafarian@ung.edu or 706-864-1498.

PERSONAL INFORMATION

Name:	Ahmad Ghafarian, Ph.D.
Work email:	ahmad.ghafarian@ung.edu
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EDUCATION AND CERTIFICATION

Education

Ph.D., Computer Science	University of Glasgow, Glasgow, UK, 1982
M.Sc., Computer Science,	University of Glasgow, Glasgow, UK, 1974
B.Sc., Mathematic	Ferdowsi University of Mashhad, Mashhad, Iran, 1970.

Certificates

CEH	CED Solution Computer Training: Marietta, GA, Dec 16-20, 2019
Post doctorate	Information Security, UMGC, MD. 2005--2007
Cisco Firewall	Kennesaw State University (KSU), Summer of 2005
Graduate Certificate	Information Assurance and Security, Purdue University, June 1-July 31, 2003

ACADEMIC EXPERIENCE

September 1996 – Present

Asst, Assoc, and currently Professor of Computer Science & Cybersecurity
Department of Computer Science & Information Systems
Mike Cottrell College of Business
University of North Georgia
82 College Circle
Dahlonega, Georgia 30597, USA

SCHOLARSHIP ACTIVITIES

Research Interests

- Memory forensics tools, techniques and their applications
- Malware Detection and Analysis
- Security and Privacy of online social media networking
- Software Defined Networking (SDN) and its application in the Cloud computing security
- Effectiveness of Network security tools such as Burp Suite, Air crack-NG, etc.

Current Research Projects

- Evaluation of current antivirus software in the detection of Ransomware attacks
- An experimental evaluation of Packers and Obfuscation techniques in their effectiveness in hiding Ransomware from antivirus software detection.
- An analysis of privacy and security of Facebook using memory forensics

TEACHING

Considering the length of my employment at UNG, I had the opportunity to teach almost all the CS courses in our BS in CS curriculum. In addition, since the establishment of our Cybersecurity BS program, I have been teaching most courses in the curriculum, as shown below.

Cybersecurity courses
CSCI 4650 Network Security
CSCI 3250 Computer Security
CSCI 3050 Information Security
CSCI 3350 Computer Forensics
CSCI 3550 Management of Info Sec
CYBR 4950 Cybersecurity Capstone
CSCI 6630 Advanced Computer Forensics (Graduate)
CSCI 6650 Advanced Network Security (Graduate)

Computer Science Courses
CSCI 2700 Object-Oriented Programming
CSCI 1301 & 1302 Computer Science I & II
CSCI 3200 Data Structure
CSCI 3300 Computer Organization
CSCI 3410 Databases
CSCI 4950 Senior Project
CSCI 3300 Software Engineering
CSCI 4200 Programming Languages
CSCI 2150 Computer Ethics
CSCI 3510 Networking and Communications
CSCI 3000 Web Programming

PUBLICATIONS

Peer Reviewed Journal Papers   Student authors are underlined

1. Ghafarian, A. and Deep Patel. "Application of Memory Forensics in the Assessment of Twitter Security and Privacy." Submitted November 12, 2021, to the *International Journal of Cyber Forensics and Advanced Threat Investigation*.

2. Ghafarian, A., Ash Mady and kyung Park. "An Empirical Analysis of Email Forensics Tools". *International Journal of Network Security & Its Application (IJNSA)*. Vol 12, No. 3, pp. 39-57, May 2020. ISSN: 0974 – 9330 [online]: 0975 – 2307 [print].
https://aircconline.com/ijnsa/V12N3/12320ijnsa03.pdf

3. Ghafarian, A, Ash Mady and Charlie Wood. "An empirical Study of Skype Data Retrieval from Main Memory". *International Journal of Computer Applications* (0975 –8887). Vol 178, No. 29, pp. 4-12, July 18, 2019. DOI: 10.5120/ijca2019919115
https://www.ijcaonline.org/archives/volume178/number29/30717-2019919115

4. Ghafarian, A and Maria Dehghani, "An Empirical Study of Security of VoIP System". *International Journal of Computer Applications (0975 – 8887)*. Vol 181-No 10, pages 6-11, August 2018.
https://www.ijcaonline.org/archives/volume181/number10/29806-2018916399%20ISBN%20:%20973-93-80899-07-2

5. Cannols, B and A. Ghafarian, "Hacking Experiment Using USB Rubber Ducky Scripting." *Journal of Systemics, Cybernetics and Informatics,* 15(2), pp. 66-71, 2017.
http://www.iiisci.org/journal/sci/SearchAuthor.asp?var=

6. Ghafarian A, and S. A. Hosseini Seno, "Forensics Evaluation of Privacy of Portable Web Browsers." *International Journal of Computer Applications*, 132(16), pp. 27-34, 2016.

7. Ghafarian A., and S. A. Hosseini Seno, "Analysis of Privacy of Private Browsing Mode through Memory Forensics." *International Journal of Computer Application, 132*(16), pp. 27-34, 2015.

8. Jahanbin A, A. Ghafarian, S.A. Hosseini Seno, and S. Nikokar, *"*A Computer Forensics Approach Based on Autonomous Intelligent Multi-Agent System." *International Journal of Database Theory and Applications*, 6(5), pp. 1-12, 2013.

9. Ghafarian A., "Securing Voice over Interment Protocol (VoIP). *International Journal of Information Assurance and Security (IAS),* 2(3), pp. 200-204, September 2007.

10. Ghafarian A., "Integrating Ethical Issues Into the Undergraduate Computer Science Curriculum." *Journal of Computing Science in Colleges*, 18(2), pp. 180-188, December 2002.

11. Ghafarian A., "Incorporating a Semester long Project into the CS 2 course." *Journal of Computing Science in Colleges,* 17(2), pp. 172-178, December 2001.

12. Ghafarian A., "Teaching Design Effectively in the Introductory Programming Courses." *Journal of Computing in Small Colleges*, 16(2), pp. 201-208, January 2001.

13. Ghafarian A., "Lessons Learned in Teaching Object-Oriented Programming in CS1." *Journal of Computing in Small Colleges,* 15(2), pp. 278-286, November 1999.

14. Ghafarian A., "Incorporating Software Testing In Programming Courses." *Journal of Computing in Small Colleges,* 14 (3), pp. 85-91, 1998.

15. Ghafarian A., "Electronic Administration and Grading of Programming Assignments, "Journal *of Computing in Small Colleges, 13 (4),* pp. 6 - 11, November, 1997.

16. Jameison M.J. and A. Ghafarian, "The Geometric Approximation as an Example of Aitken's - $\partial 2$ Transformation," *Molecular Physics*, 32(6), pp. 1777-1780, 1976.

17. Jameison M.J. and A. Ghafarian, "The Geometric Approximation in Time Dependent Hartree-Fock Theory", *Molecular Physics*, 30(5), pp. 1611-1614, 1975.

Peer Reviewed Conference Papers Publications   Student authors are underlined

1. Ghafarian, A. and <u>Deniz Keskin</u>. "Using Memory Forensics to Investigate Security and Privacy of Facebook." Proceedings of the 2022 *Computing Conference*, Springer Publication, (IEEE Explore) Vol 3, pp. 581-601. The conference was held in London, UK, July 14-15. (Attended Virtually). ISSN 2367-3370 ISSN 2367-3389 (electronic). Lecture Notes in Networks and Systems ISBN 978-3-031-10466-4 ISBN 978-3-031-10467-1 (eBook). https://doi.org/10.1007/978-3-031-10467-1

2. Ghafarian, A. <u>Darius Fiallo</u>. An Analysis of Twitter Security and Privacy using Memory Forensics. Proceedings of 2021 *Computing Conference*, Springer publication, (IEEE Explore) Vol 3, pp. 743-760. The conference was held in London, UK, on July 15-16, 2021. (Attended Virtually). ISSN 2367-3370 ISSN 2367-3389 (electronic). Lecture Notes in Networks and Systems. ISBN 978-3-030-80128-1 ISBN 978-3-030-80129-8 (eBook). https://doi.org/10.1007/978-3-030-80129-8

3. Ghafarian, A, <u>Deniz Keskin</u>, and Graham Helton. An Assessment of Obfuscated Ransomware Detection and Prevention Methods. Proceedings of the *Future of the Information Communication Conference (FICC)* 2021 Conference, pp Vancouver, Canada April 29-30, 2021. (IEEE Explore) Vol 1, pp 793-811.

4. Ghafarian, A. and <u>Deniz Keskin</u>. Windows 10 Hibernation File Forensics. Proceedings of the *Computing Conference*. 16-17 July 2020. London UK. (IEEE Explore) (IEEE Explore) Vol 3, PP. 431-445. ISSN 2194-5357, ISSN 2194-5365 (electronic), ISBN 978-3-030-52242-1, 978-3-030-52243-8 (eBook). Advances in Intelligent Systems and Computing. https://doi.org/10.1007/978-3-030-52243-8.

5. Ghafarian, A. and Saman Sardari. An Analysis of Connected Cars Technology and Security. Proceedings of the 15th *International Conference on Cyber Warfare and Security*. Old Dominion University, Norfolk, VA, March 12-13, 2020. pp 195-203.

6. Ghafarian, A. Capabilities of Email Forensics Tools. Proceedings of the *Computing Conference*. 16-17 July 2019. London UK. (IEEE Explore). Vol 1, PP. 514-528. ISSN 2194-5357, ISSN 2194-5365 (electronic), ISBN 978-3-030-22867-5, ISBN 978-3-030-22868-2 (eBook). Advances in Intelligent Systems and Computing. https://doi.org/10.1007/978-3-030-22868-2.

7. Ghafarian A. Using Kali Linux Security Tools to Create Laboratory Projects for Cybersecurity Education. Proceedings of the *Future Technology Conference*. Held in Vancouver, BC Canada 13-14 November 2018. Vol 2, pp. 358-367.

   https://link.springer.com/search?facet-conf-event-id=ftc2018&facet-content-type=Chapter&query=ahmad+Ghafarian

8. Ghafarian A and <u>Charlie Wood</u>. "Forensics Data Recovery of Skype Communication from Physical Memory". Proceedings of the *Computing Conference*. 10-12 July 2018. London UK. Pages 1095-1102. ISBN (IEEE XPLORE): 978-1-5386-1350-4.

   https://link.springer.com/search?facet-conf-event-id=sai2018&facet-content-type=Chapter&query=ahmad+ghafarian

9. Ghafarian A and <u>Ethan Hills</u>, "Forensics Analysis of Windows 10 Volume Shadow Copy Service". Proceedings of the 9th *International Multi-Conference on Complexity, Informatics and Cybernetics*, (IMCIC 2018). pp. 47-52. Held in Orlando, FL on March 13-16, 2018.

10. Ghafarian A., "A Hybrid Method for Detection and Prevention of SQL Injection Attacks". Proceedings of the *Computing Conference*. London, UK. July 18-20, 2017. Pp.833-846. ISBN (IEEE XPLORE): 978-1-5090-5443-5.

11. Ghafarian A., S. A. Hosseini Seno, and Maria Dehghani, "An Empirical Study of Security of VoIP System." *Proceedings of the SAI Computing Conference*. July 13-15, 2016, London, UK. pp. 1031-1036. IEEE Catalog Number: CFP16SAA-USB.

12. Ghafarian, A. "Forensics Analysis of Privacy of Portable Web browser." *Proceedings of the 11th Annual ADFSL conference on Digital Forensics, Security and Law*. , May 24-26, 2016, Daytona Beach, FL, USA. pp. 183-192.

13. Ghafarian A. Forensics Analysis of Cloud Storage Services. Proceedings of the *Science and Information (SAI) Conference*, July 28-30, 2015, London, UK, pp. 1335-1339. IEEE Catalog Number: CFP 15SAA-USB.

14. Ghafarian A, Investigating Forensics Values of Windows Jump List Data. *Proceedings of the10th Annual ADFSL Conference, on Digital Forensics, Security and Law*. May 19-21, 2015, Daytona Beach, Florida, USA, pp. 69-76.

15. Ghafarian A. and S.A. Hosseini Seno, "Exploring Digital Forensics Tools in Backtrack 5.0 r3". *Proceedings of the 2014 International Conference on Security and Management*, July 20-25, 2014, Las Vegas, NV , Vol. 1, pp. 351-357.

16. Ghafarian A, "An Empirical Study of Network Forensics Analysis Tools." P*roceedings of the 9th International Conference on Cyber Warfare and Security,* March 24-25, 2014, Purdue University*,* West Lafayette, Indiana, USA, pp. 366-370.

17. Ghafarian A. and Travis Smith, "Information Security Risk Assessment Analysis". *Proceedings of the 2011 International Conference on Security & Management (SAM'11)*, July 18-21, 2011, Las Vegas, NV, Vol I, pp. 121-125.

18. Ghafarian, A. and Jonathan Strahan, "Asset Identification and Valuation" Proceedings of the 2010. *International Conference on Security & Management (SAM'10),* July 12-15, 2010, Las Vegas, NV*,* Vol II, pp. 466-470.

19. Ghafarian A. and Jason Garruto, "An Analysis of Data Protection Strategies". *Proceedings of the 2009 International Conference on Security & Management (SAM'9),* July 13-16, 2009, Las Vegas, NV, Vol I, pp. 37-41.

20. Ghafarian A., "Web Spoofing". *Proceedings of the 2008 International Conference on Security & Management (SAM'8),* July 14--17, 2008, Las Vegas, NV, Vol I, pp. 313-317.

21. Dark, Melissa, A. Ghafarian and Jesse Yu, "Incorporating Ethical Issues into the Computer Science Curriculum using Case-Based Instruction and Rubric." *Proceedings of the 35th Symposium in Computer Science Education (SGCSE)*, Norfolk, March 3- 7, 2004, VA, USA.

22. Ghafarian A. and S. Ahmed, "Data mining and Privacy Issues." *proceedings of the International Conference on Information Technology Coding and Computing*", *ITCC 2003* April 28-30, 2003.

23. Ghafarian A. and Willie Yip, "Application of PBL and APL Strategies in Teaching of Information Systems Courses in Two countries." *Proceedings of the 17th Annual International Academy for Information Management, (IAIM) conference*, Dec. 13-15, 2002, Barcelona, Spain, pp. 268-276.

24. Dark Melissa and A. Ghafarian, "Information Ethics and Social Issues in the Undergraduate Computer Science Curriculum: A Curriculum Development and Implementation Report." *Proceedings of 6th National Colloquium for Information Systems Security Education Conference,* June 3-6, 2002Seattle Washington.

25. Ghafarian A, and Willie Yip "Students Assessment in PBL Setting for Information Systems Courses." *Proceedings of the 16th Annual International Academy for Information Management, (IAIM) conference pp.*173-181, Dec. 14-16, 2001, New Orleans, Louisiana.

26. Yip Willie and A. Ghafarian, "Problem-Based Learning Assessment for Information Systems Courses", *Proceedings of the 15th Annual International Academy for Information Management, (IAIM) conference,* pp. 29-36, Dec. 8-10, 2000, Brisbane, Australia.

27. Ghafarian A. and Willie Yip, "An Analysis of Students' Perception of Learning Programming At Two Universities in Two Countries." *Proceedings of the 14th Annual International Academy for Information Management, (IAIM)* pp. 317 - 323, Dec. 10-12, 1999, Charlotte, North Carolina.

28. Ghafarian A., "A Lab Oriented Approach to Team Programming Projects in Computer Information Systems courses," *Proceedings of the 14th Annual International Academy for Information Management, (IAIM)* pp. 122-125, Dec. 11- 13, 1998, Helsinki, Finland.

29. Ghafarian A. and Kathy A. Sisk, "Developing A CIS Curriculum Based on the Industry Needs Survey." *Proceedings of the 12th Annual International Academy for Information Management, (IAIM)* pp. 317 - 323, December 12- 14, 1997, Atlanta, Georgia.

30. Ghafarian A., "Scheduling Parallel Iterative Methods on Multiprocessor Systems, "Proceedings *of the 34th Annual ACM Southeastern Conference,* pp. 347-349, April 17-19, 1996, Tuskegee, AL.

31. Ghafarian A., "Maintenance Tools", *Proceedings of the First National Iranian Maintenance Conference, (MAINT)*, pp. 51-66, Isfahan University of Technology, Sept 5-7, 1994, Isfahan.

Conference Posters & Presentations
1. Ghafarian, A., "Ransomware Detection and Prevention Using Memory Forensics". Symposium on Innovation, Research and Engagement (SOIRE), Nov 6, 2020. UNG Online https://urldefense.proofpoint.com/v2/url?u=https-3A__digitalcommons.northgeorgia.edu_facresearchday_2020_2020_7&d=DwIBaQ&c=FbBevciwIvGuzsJ QdDnze9uCWRSXekJosRCbxNiCfPE&r=RC3om4GKnWVbU9UWuyl7S8LbCcVLQbZFB8RFJWGybtU &m=FW5O4m2xFSxFRm3fW2_dPX71QGYkoahLvnf8v8_fY_g&s=f1MxEMzl2t1Of9pPqxEwZ16T0nNT xatZJN1VQdocY5Q&e=

2. Fiallo, D. and A. Ghafarian. "Assessing the Security and Privacy of Twitter". 25th UNG Annual Research Conference, April 17, 2020, online at: https://digitalcommons.northgeorgia.edu/ngresearchconf/2020/posters/15/

3. Frady, A. and A. Ghafarian. 'Assessing Security and Privacy of Online Social Media. Symposium on Innovation, Research and Engagement (SOIRE), Nov 15, 2019. UNG Dahlonega, USA. https://urldefense.proofpoint.com/v2/url?u=https-3A__digitalcommons.northgeorgia.edu_facresearchday_2019_2019_7&d=DwIBaQ&c=FbBevciwIvGuzsJ QdDnze9uCWRSXekJosRCbxNiCfPE&r=RC3om4GKnWVbU9UWuyl7S8LbCcVLQbZFB8RFJWGybtU &m=Oo4iiZXQPJvHZ5lzFOFdPNMwVHT9dILS9tdFr4MvEos&s=2NRswqFggEhaDt-tF88SVyuqYqHglxB6EwUY9lKWTO4&e=

4. Ghafarian, A. "Forensics Analysis of Skype Communication using RAM Forensics." Symposium on Innovation, Research and Engagement (SOIRE), Nov 10, 2017. UNG Dahlonega, USA.

5. Ghafarian A., "Experience of Developing an Information Assurance and Security (IAS)" Curriculum." *Proceedings of the 39th ACM SIGCSE,* March 12-16, 2008, Portland, Oregon.

6. Ghafarian A., "An Innovative Approach in Teaching Object-Oriented Programming to the Novice." *Proceedings of the 37th SIGCSE,* March 1-5, 2006, Huston, Texas.

7. Ghafarian A., "Reverse Engineering technique to Enhance Software Engineering Education.*" Proceedings of the 10th Annual SIGCSE Conference on Innovation and Technology in Computer Science Education (ITiCS)*, Mont Da Caparica, Portugal, June 27-29, 2005

8. Ghafarian A., "Linked List Animation using Macromedia Flash." *Proceedings of the 36th Symposium in Computer Science Education (SIGCSE)*, February 2005.

FELLOWSHIP AND GRANT AWARDS

Fellowships, Grants and Awards
UNG Presidential Summer Incentive Award. Project: "A Practical Ransomware Detection and Prevention Technique". Awarded $12,000.00, Summer 2020. 05/15/2020--07/31/2020.

UNG Presidential Semester Incentive Award. Project: "Assessing the Security of Online Social Media Networking". Awarded $25,000.00, Fall 2019. 08/1/2019--12/31/2019.

GA Governor's Teaching Fellow (GTF), "Providing Georgia's higher education faculty with expanded opportunities for developing important teaching skills". Awarded $3,000.00. September 2018-- April 2019.

UNG Presidential Summer Incentive Award. Project: "Forensics Analysis of Skype Communication". Awarded $12,000.00, 5/15/2017-- 7/31/2017.

MCCB IIE Internal Grant. Project: "Evaluating Forensics Artifacts of Cloud Storage Services". Awarded $5,000.00 8/1/2016--5/15/2017.

UNG Presidential Semester Scholar Award. "Forensics Examination of the Privacy of Portable Web Browsers". Awarded $25,000.00, 5/15/2015-12/31/2015.

UNG Leaders in Instructional Technology Program (LLTP). Project: Application of Technology to the Teaching Process". Awarded $2000.00, Summer 2014.

Microsoft Instructional Laboratory Development Grant. Project: "Providing Hardware and Software for the Establishment of Instructional Lab". Awarded $50,000.00, Academic Year 2000.

Microsoft Instructional Laboratory Development Grant. Project: "Providing Hardware and Software for the Establishment of Instructional Lab". Awarded $100,000.00, Academic Year 1998.

UNDERGRADUATE STUDENTS RESEARCH ADVISING

Advised and guided the following UNG's undergraduate students to perform research with me.

*   Alyssa Dames (UNG). Working on Facebook Security using RAM forensics. August 18,Dec 20, 2021.

*   Deep Patel (UNG). Working on "Twitter security using RAM forensics. Jan 8, 2021-May 15, 2021

*   Rocco Ranallo (UNG). Working on "Ransomware analysis". August 2020-Dec 15, 2020.

*   Graham Helton (UNG). Worked on "A Practical Ransomware Detection and Prevention Technique" project in the period of 5/15/2020—7/25/2020. A paper has been submitted to a conference.

*   Deniz Keskin (UNG). Worked on "A Practical Ransomware Detection and Prevention Technique" project in the period of 1/8/2020—5/15/2020. A paper has been submitted to a conference. Deniz was also working on "Online Social Media Networking Forensics" project during the period of 1/8/2019-12/20/2019.

- Darius Fiallo (UNG). Worked on "Assessing the Security and Privacy of Twitter" project during the period of 8/1/2019-12/20/2019." He presented the result of his research at the 25th UNG Annual Research Conference (virtually), March 13, 2020.

- Justin Frady (UNG). Worked on "Assessing the Security and Privacy of Instagram" project during the period of 8/1/2019-12/20/2019." He presented the result of his research at Symposium on Innovation, Research and Engagement (SOIRE), Nov 15, 2019. UNG Dahlonega.

- Kyung Park (UNG). Worked on "An Empirical Analysis of Email Forensics Tools" during Fall semester 2019. He coauthored a paper that has been published on the International Journal of Network Security & Its Application (IJNSA). Vol 12, No. 3, pp. 39-57, May 2020.

- Charlie Wood. Worked on "Forensics Data Recovery of Skype Communication from Physical Memory" project during 8/1/2017-5/15/2018. His was published in the Proceedings of the Computing Conference. 10-12 July 2018. London, UK. Pages 1095-1102. ISBN (IEEE XPLORE): 978-1-5386-1350-4.

- Ethan Hills. Worked on "Forensics Analysis of Windows 10 Volume Shadow Copy Service" project during fall 2017. He presented and published his work in the "Proceedings of the 9th International Multi-Conference on Complexity, Informatics and Cybernetics, (IMCIC 2018). pp. 47-52. Held in Orlando, FL on March 13-16, 2018.

- Lydia Codwell. Worked on Network Miner Network Forensics Tools during fall 2013. Her work entitled "An Empirical Study of Network Forensics Analysis Tools." published in the Proceedings of the 9th International Conference on Cyber Warfare and Security, March 24-25, 2014, Purdue University, West Lafayette, Indiana, USA, pp. 366-370.

FACULTY DEVELOPMENT ACTIVITES

Date	Attendance/participation
July 15-16, 2021	Computing Conference, London, UK (virtual)
Apr 29-30, 2021	Future of Information & Communication Conference (FICC), Vancouver, Canada (virtual)
Mar 2-4, 2021	Microsoft Ignite Conference, USA (virtual)
Sep 18, 2020,	Google Faculty Institute: Cloud in the classroom (11am-8pm), USA (virtual)
Jul 16-17, 2020	Computing Conference, London, UK (virtual)
Mar 12-13, 2020	15th International Conference on Cyber Warfare and Security, Norfolk, VA USA (in person)
Jul 16-17, 2020	Computing Conference 2020, London, UK (virtual)
Dec 16-20, 2019	EC-Council CEH Certification Training Course-CED Solutions. Marietta, GA (in person)
Jul 16-17, 2019	Computing Conference, London, UK (virtual)
Apr 13-14, 2018	Future Technology Conference (FTC), Vancouver, Canada
July 10-12, 2018	Computing Conference London, UK
Mar 13-16, 2018	International Multi-Conference on Complexity, Informatics and Cybernetics, (IMCIC), Orlando, FL, USA
Aug 2-4, 2017	CompTIA Partner Summit, 2017, JW Marriott Austin, TX, USA
Jul 18-20, 2017	Computing Conference, London, UK
Jun 23-24, 2016	Workshop on Capacity Building for Control Systems Security Collaborative Project. Jacksonville State University, AL, USA
Jul 13-15, 2016	Computing Conference
May 6-7, 2016	Workshop on Information Assurance and Security PLab, Kennesaw State University, Marietta GA.USA
May 24-26, 2016	Annual ADFSL conference on Digital Forensics, Security and Law, Daytona Beach, FL,

	USA
Jul 28-30, 2015	Computing Conference, London, UK.
July 5-Aug 15, 2015	CSAW Summer Boot camp on Cybersecurity research and training for Faculty, NYU-Poly, Brooklyn, NY, USA
Nov. 5-6, 2014	NICE (National Initiative for Cyber security Education) Conference, Columbia, MD, USA
Jul 20-25, 2014	International Conference on Security and Management, Las Vegas, NV, USA
Jun 26-27, 2014	Mobile Security Workshop, University of Tennessee, Chattanooga, USA
Mar 24-25, 2014	International Conference on Cyber Warfare and Security. Purdue University, IN, USA
Mar 5, 2014	ITSEED: Hands-on Labs for IT Security Education, in Conjunction with SIGCSE'14, Atlanta, GA, USA
Jun 10-12, 2013.	17th Colloquium for Information Systems Security Education, Mobile AL, USA
November 6, 2012	Cengage Learning, Business and Computer Instructors Professional Development day, Atlanta GA
Jul 18-21, 2011	International Conference on Security & Management (SAM'11), Les Vega, USA
Nov 9, 2010	VMUG Conference, Georgia World Congreve Center, Atlanta, GA, USA
Jul 12-15, 2010	International Conference on Security & Management (SAM'10), Les Vega, USA
Mar 23-25, 2010	23rd Annual Federal Information Systems Security Educators (FISSEA) Conference, Bethesda, MD, USA
Jul 13-16, 2009	International Conference on Security & Management (SAM'9), Las Vegas, USA
Jul 14-17, 2008	International Conference on Security & Management (SAM'8), Las Vegas, USA
1997-2013, yearly	ACM Special Interest Group on Computer Science Education (SIGCSE), USA
July 11-23, 2004	Teaching with Instructional Multimedia in Mathematics, Science and Technology (TIM), Baltimore, MD, USA
July 11-23, 2004	Summer Institute on Teaching with Instructional Multimedia in Mathematics, Science and Technology (TIM), Baltimore, MD, USA
2 months summer 2003	Information Assurance and Security (IAS) faculty development workshop, Purdue University, IN, USA
Nov 13, 2003:	Symposium on the Need for Information Security, KSU, Kennesaw, GA, USA
Sep 5, 2003	Information Security Curriculum Development, Sponsored by Course Technology and Kennesaw State University, Kennesaw, GA, USA
Oct 2001	Workshop on "Protecting Information in the Computer and Beyond", West Lafayette, IN, USA
Jun 8-9, 2000	NSF Sponsored Faculty Development Workshop, Northeastern University, Boston, MA, USA
Feb 13-14, 1998	Georgia Tech Faculty Development Program Workshop, Atlanta, GA, USA
Aug 18 - 22, 1997	NSF Sponsored Workshop on Undergraduate Faculty Enhancement in Scientific Visualization, Georgia State University, Atlanta, GA, USA
July 12 - 19, 1997	NSF Sponsored Workshop on Undergraduate Faculty Enhancement on Dissemination Efforts to Promote Course and Curriculum changes using C++, University of Virginia, Charlottesville, VA, USA
Apr 17 - 18, 1997	Georgia Conference on College and University Teaching, KSU, Kennesaw, GA, USA
Apr 12, 1997	Java Workshop, Clemson U, Clemson, SC, USA
Apr 2 - 4, 1997	35th Annual ACM Southeastern Conference, Middle Tennessee State University, Murfreesboro, TN, USA
May 21 - 24, 1996	ACM Conference on PLDI 96, Philadelphia, PA, USA
Mar 20 - 22, 1995	First Annual Instructional Technology Conference, Auburn University and Tuskegee University, Tuskegee, AL, USA

COURSES AND CURRICULUM DEVELOPMENT

Course/Curriculum Development
- Developed in a new course (2020). CSCI 4830--Cloud Computing Security

- Significant contribution to our CS & CYBR curriculum.
- Major Contribution to the preparation of ABET accreditation requirements (2018-present)
- Developed and taught six Quality Matters (QM) Certified Online courses (2003-2020.) These include: CSCI 3050, CSCI 3250, CSCI 3350, CSCI 3550, CSCI 4650, CSCI 6350, and CSCI 6650.
- Major contribution to the development of BS in Cybersecurity (2018-2020)
- Developed minor in Information Assurance and Security (IAS) (2014)
- Major contribution to the development of Cybersecurity minor (2013)
- Information Assurance and Security (IAS) Concentration (2007)
- Major contribution to the incorporation of the ACM curricula guidelines to our BS in CS (1997-2020)

SERVICES

Departmental Service
- Chair: CS/CYBR graduate program committee, Nov 2021-present
- Member: Tenure and Promotion Committee, Aug 2020-present
- Member: Computer Science faculty search committee, Aug 2019-present
- Member: CSIS depart head search committee, Aug 2021-present
- Member: GenCyber Teacher Camp Planning Committee, Nov 17, 2020 -Present). Planning the activities to support the offering of GenCyber Teacher Camp in Summer 2021
- Course Captain: CSCI 3050, CSCI 3550, CSCI 4500, and CSCI 4650, Aug 2018-present.
- Member: ABET accreditation committee, 2018-present.
- Member: CSIS Curriculum Committee, 2016-present.
- Member: CS/CYBR graduate program committee, Aug 2019- Nov 2021.
- Chair: Pre-tenure review committee, 2017-2018.
- Member: Computer Science faculty search committee, 2015 & 2017
- Faculty Advisor: to about 60 CS/CYBR students per semester, 1996-present
- Chair: Computer science curriculum committee (1996-2012)

College Service
- Member: Impact of Scholarship committee, Aug 2020-present
- MBA redesign committee, Nov 20121-present
- Attended: Online & hybrid student engagement in challenging times, 9/25/2020
- Attended: MCCB Advisee training, 9/15/2020
- Attended: MCCB tenure & promotion committee meeting, 9/11/2020
- Member: MCCB Faculty Committee, 2017-2019
- Member: Assessment of Learning (AOL) committee 2014-2015
- Participant: Fall Commencement/Commissioning, Dahlonega,12/17/2016
- Participant: Summer Commencement/Commissioning, Dahlonega, 4/2/2016
- Participant: Publication Webinar: Writing Productivity Good Habits/Bad Habits, 9/22/2015
- Attended: MCCB guest speaker presentation, 10/22/.2014
- Participant: MCCB Summer Orientation, 6/19/2014

University Service
- Member: Research Computing and Academic Innovation (RCAI) workgroup, Aug 2020-present
- Member: Student Honor committee, Aug 2021-present
- Attended: Distance Education & Technology Integration (DETI) P&T Training, 9/2/2020
- Major contributor in the UNG designation of National Center of Academic Excellence (CAE) in Cyber Defense by NSA and Department of Homeland Security (DHS), 2015-2018 & (202-2025)
- Member: University-wide promotion, and tenure committee, 2016-2018
- Member: University-wide Student Conduct Committee, 2014-2015
- Member: University-wide student honor committee, 2014-2015
- Member: University wide Student Honor Committee, 2015-2016
- Participant: Student Honors meeting, 4/12/2016

- Volunteered for the Starlight event at Gainesville Campus, Saturday (8/27/2016 & 8/26/2017)
- Participant: National Emergency Preparedness meeting, 9/12/2014
- Participant: Student Conduct Training Session, 9/3/20140
- Member: Department of math/CS work group for UNG consolidation, 2013-2014
- Senator: Dept of Math/CS Senator to the Faculty senate, 2007-2008
- Member: Health committee, 1998-2000
- Member: Library committee, 2000-2002
- Member: Student conduct committee, 2002-2004
- Member: academic integrity council committee, 2004-2006

Professional and Public Service
  Professional Service
- Technical Committee Member and paper reviewer for the International Future Technologies Conference (FTC) conference, 2017-present
- Technical Committee Member and paper reviewer for the IEEE sponsored International Computing Conference, 2015-Present
- Technical Committee Member and paper reviewer for the International Conference on Cyber Warfare and Security (ICCWS), 2014-present)
- Regular paper reviewer for the Journal of Communications and Networks, 2016-present
- Regular paper reviewer for the 18th Colloquium for Information System Security Education CISSE, 2014-present
- Session Chair, SAI Computing Conference, London, UK, 2015-2019.

Non-Credit Instruction
  Upward Bound Summer Cyber Institute camp, University of North Georgia, 36 participants. (Jun 10-Jul 2, 2019). Taught Cybersecurity to 36 middle school students in the Upward Bound Summer Cyber Institute camp.

Professional Affiliations
- Association for Computing Machinery (ACM)
- CompTIA
- The SAI