

BHANUKIRAN GURIJALA, Ph.D., ACUE

PERSONAL INFORMATION

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PROFESSIONAL INFORMATION

Computer Science Department
The University of Texas at El Paso
500 West University Avenue
El Paso, Texas – 79968
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EDUCATION

Ph.D. (Doctor of Philosophy) in Computer Science, The University of Texas at El Paso (UTEP), TX, USA	2016
M.S. (Master of Science) in Software Engineering, The University of Houston Clear-Lake (UHCL), TX, USA	2008
B.E. (Bachelor of Engineering) in Computer Science and Engineering, Visvesvaraya Technological University (VTU) Rashtriya Vidyalaya College of Engineering (RVCE), Bangalore, India	2005

PROFESSIONAL EXPERIENCE

Provost's Faculty Fellow in Artificial Intelligence (AI), Institute for Scholarship, Pedagogy, Innovation, and Research Excellence (InSPIRE), The University of Texas at El Paso (UTEP), El Paso, TX, USA 2025 –

Associate Professor of Instruction, Computer Science Department, UTEP, El Paso, TX, USA 2023 –

Visiting Professor, Computer Science Department, UTEP, El Paso, TX, USA 2022 – 2023

Assistant Professor (tenure-track), Computer Science and Information Systems (CSIS) Department, West Virginia University Institute of Technology, Beckley, WV, USA 2019 – 2022

Assistant Professor (non-tenure-track), Computer Science Department, North American University (NAU), Houston, TX, USA 2017 – 2019

Quality Assurance Analyst, Heavy Construction Systems Specialists, Inc. (HCSS), Houston, TX, USA 2016 – 2017

Programmer Analyst, UR International Inc., Houston, TX, USA 2008 – 2009

Senior Software Engineer, iGate Global Solutions Pvt. Ltd., Bangalore, Karnataka, India 2005 – 2006

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HONORS AND AWARDS

Outstanding Graduate Student in Computer Science, UTEP	2017
Excellent Summer Intern (including a cash award of \$1000), HCSS	2012
Dollars for Scholars Scholarship (\$2000 for exceptional merit), UHCL	2007 – 2008
Excellence in Education (Exceptional merit in class 12, standing 2 nd in the district, along with a cash award), Akhil Bhartiya Vidyarthi Parishad (ABVP), India	2001

MEDIA APPEARANCES

Interviewed by KFOX News on 8/12/2025, aired on 08/20/2025	AI in Higher Education	https://insight.tveyes.com/public/report/7684b74b-3700-4a19-8f77-1ed5d8aca9b8/9f607888-e3e6-4097-abc6-56e051d5ae17
Article published on 8/9/2021 in The Conversation, an independent non-profit news organization	What is Pegasus? A Cybersecurity expert explains how the spyware invades phones and what it does when it gets in	https://theconversation.com/what-is-pegasus-a-cybersecurity-expert-explains-how-the-spyware-invades-phones-and-what-it-does-when-it-gets-in-165382
Interviewed by WVNS TV News following the Colonial Pipeline Attack on 5/12/2021	Explainer: What is a cyber-attack?	https://www.wvnstv.com/top-news/explainer-what-is-a-cyber-attack/

RESEARCH AND TEACHING INTERESTS

My research interests lie in **cybersecurity** and **software engineering**, especially in quality assurance, formalisms, and applying principles of software engineering to cybersecurity.

Recently working on cybersecurity concerns for Internet of Things (IoT), especially drones, and high-risk Artificial Intelligence (AI) systems.

Full-time teaching experience of ~9 years and ~4 years of part-time teaching experience, offering undergraduate and graduate-level diverse computer science, software engineering, and cybersecurity courses using face-to-face, online, and hybrid modes.

Interested in teaching Computer Science, Software Engineering, and Cybersecurity courses for undergraduates and graduates.

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CERTIFICATIONS AND LICENSURES

Certified Ethical Hacker (CEH)	EC-Council	In progress
AI for Work and Life	University of North Florida	Issued – 11/14/2025 See Credential here. No Expiration.
Certificate in AI for Higher Education – AI for Higher Education Leaders Specialization	Digital Education Council	Issued – 11/02/2025 See Credential here. No Expiration.
Google Prompting Essentials	Coursera	Issued – 10/28/2025 See Credential here. No Expiration.
Google AI Essentials	Coursera	Issued – 10/22/2025. See Credential here. No Expiration.
Program Evaluator for Computer Science	Accreditation Board for Engineering and Technology, Inc. (ABET)	Issued – 05/05/2025. Expires – 05/05/2030.
Program Evaluator for Software Engineering	Accreditation Board for Engineering and Technology, Inc. (ABET)	Issued – 05/06/2024. See Credential here. Expires – 05/06/2029.
Inclusive Teaching for Equitable Learning (ITLE)	Association of College and University Educators (ACUE) and The American Council on Education (ACE)	Issued – 10/30/2022. See Credential here. No Expiration.
Effective Teaching Practices (ETP)	Association of College and University Educators (ACUE) and The American Council on Education (ACE)	Issued – 04/28/2021. See Credential here. No Expiration.
Scrum Master Certified (SMC)	SCRUMstudy	Issued – 09/22/2020. See Credential here Expires – 09/22/2023.
Scrum Fundamentals Certified (SFC)	SCRUMstudy	Issued – 09/20/2020. See Credential here No Expiration.

PROFESSIONAL MEMBERSHIPS

Senior Member, Institute of Electrical and Electronics Engineers (IEEE) 2025 – Standards Association

Senior Member, Association for Computing Machinery (ACM) 2023 –

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Senior Member , IEEE	2021 –
Senior Member , IEEE Computer Society	2021 –
Senior Member , IEEE Young Professionals	2021 –
Member , IEEE Young Professionals	2019 – 2021
	2014 – 2017
Member , Project Management Institute (PMI)	2017 –
Professional Member , ACM	2016 – 2023
Member , Honor Society	2015 –
Member , Text and Academic Authors Association (TAA)	2013 –
Member , American Society for Quality (ASQ)	2011 –
Student Member , ACM	2010 – 2016
Member , IEEE Computer Society	2009 – 2021
Member , IEEE	2008 – 2021

PROFESSIONAL SKILLS

Good written and oral communication skills as evidenced by articles published, media interviews, serving as a panelist, master of ceremonies, and presentations given to a wide range of audiences.

Programming Languages	Java, JSPs, SQL, ASP.NET, C#, Python, C, C++, 8086 Assembly Language, and ARM Assembly Language.
Logic Programming Languages	Prolog.
Statistical Programming Languages	Basic SAS 9.2 and R.
Security Tools	ZAP 2.6.0, Burp Suite v1.7.24.
Web Technologies	JDBC, Servlets, EJBs, Struts Framework, HTML.
IDEs	Eclipse 3.1, JDeveloper, Visual Studio 2017, PyCharm, μ Vision.
Database	MS SQL Server 2014, IBM DB2 8.1, Oracle 9i, MS Access.
Tools	Ranorex 7.1, Rational Rose Enterprise Edition, Crystal Reports XI, SQL Server Reporting Services 2005 (SSRS),

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Microsoft FrontPage, Microsoft Visio 2013, Microsoft Visual Source Safe (VSS) 6.0, Tortoise SVN subversion, Junit, OnTime, Jira.

Servers	WebLogic 8.1, Tomcat 5.X, JBoss 4.2.1.
Design	Unified Modeling Language (UML) diagrams (use case, class, sequence, component, and deployment diagrams).
Software Metrics	COCOMO, COCOMO II, CMMI Levels.
Content Management Framework	Drupal 7.
Hypervisors	VMware, VirtualBox.

PROFESSIONAL EXPERIENCE

Seasoned professional with nearly two decades (over 19 years) of combined experience in the software industry and academia. With more than 6 years in industry and over 13 years in higher education, I offer a balanced blend of practical expertise and academic leadership.

Industry Experience

Around 6 years of full-time experience in the software industry encompasses diverse roles and responsibilities across the software development lifecycle.

Quality Assurance Analyst, Aug 2016 – Aug 2017
HCSS, Houston, TX

Actively involved and co-managed the cybersecurity initiative for Web and mobile applications by setting up an in-house team for performing penetration testing. As a scrum master, I facilitated sprint planning, daily scrums, retrospectives, stakeholder meetings, and software demonstrations. Part of the team involved in automating and managing the test suite for testing all Web and mobile applications. Actively involved in developing content and teaching quality assurance and quality control concepts to developers and quality personnel.

Software Testing Intern, May 2013 – Aug 2013
HCSS, Houston, TX Jun 2012 – Aug 2012

Actively involved in automating regression testing for one of the major products. Guided and led a team of four interns to generate automated scripts for regression testing. Created test case specifications, designed, and wrote test cases. Involved in the design meetings for adding new features to the product.

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Helped improve the organization of software artifacts for easier access and maintainability.

Data-warehousing Intern, Apr 2009 – Dec 2009
Vigna Inc., Lawrenceville, GA

Created reports for financial firms using SSRS and Crystal Reports XI.

Programmer Analyst, May 2008 – Feb 2009
UR International Inc., Houston, TX

Created reports using SSRS and Crystal Reports XI for the Texas State Government.
Programming using Java.

Student Tech II, Jan 2007 – Aug 2007
University Computing and Telecommunications, UHCL

Involved in requirements gathering and creating Software Requirements Specification (SRS) documents, and user manual documentation.
Programming using UIX and performed Unit testing using Junit.

Senior Software Engineer, Sep 2005 – Dec 2006
iGate Global Solutions Pvt. Ltd., India

Programming using J2EE and Struts
Involved in client calls and helped in updating SRS and Design documents.
Conducted Knowledge Transfer (KT) Sessions for the team members.
Involved in writing test cases and integration testing of the application.

Intern, USi Internetworking Pvt. Ltd., India Jan 2005 – Jun 2005
Part of the team that is involved in requirements gathering and creating SRS.
Actively involved in programming and testing (unit and integration level) the application.

TEACHING EXPERIENCE

Full-time teaching experience of ~9 years and ~4 years of part-time teaching experience.
Experience designing and delivering undergraduate and graduate-level diverse courses in computer science, software engineering, and cybersecurity areas using face-to-face, online, and hybrid modalities.

Associate Professor of Instruction, Apr 2023 –
Computer Science Department,
The University of Texas at El Paso (UTEP)

Advanced Object-Oriented Programming (undergraduate junior-level course) (Fall 2025, 2024 & 2023, Spring 2026, 2025 & 2024, and Summer 2025 & 2023)
Independent Studies in the field of Computer Science, Software Engineering, and Cybersecurity (undergraduate senior-level course) (Fall 2025, and Summer 2023)

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Introduction to Computer Science (undergraduate freshman-level course) (Summer 2024)
Software Construction (undergraduate senior-level and graduate-level course) (Fall 2025, 2024 & 2023)

Software Engineering: Design and Implementation (undergraduate senior-level course) (Fall 2025 & 2023, and Spring 2026, 2025 & 2023)

Software Integration and Verification and Validation (undergraduate senior-level and graduate-level course) (Spring 2023)

Wireless Networks (undergraduate senior-level and graduate-level course) (Spring 2024 & 2023)

Experience mentoring capstone project teams during their senior year.

Visiting Professor, Jan 2022 – Mar 2023
Computer Science Department, **UTEP**

Advanced Object-Oriented Programming (undergraduate junior-level course) (Fall 2022)

Introduction to Computer Science (undergraduate freshman-level course) (Fall 2022)

Software Construction (undergraduate senior-level and graduate-level course) (Fall 2022)

Software Integration and Verification and Validation (graduate-level course) (Spring 2022)

Wireless Networks (undergraduate senior-level and graduate-level course) (Spring 2022)

Assistant Professor (tenure-track), Aug 2019 – Jan 2022
Computer Science and Information Systems Department,
West Virginia University Institute of Technology (**WVU Tech**)

Foundation of Cybersecurity (undergraduate sophomore-level course) (Fall 2021)

Cybersecurity Principles and Practice (undergraduate senior-level course) (Spring 2021 & 2020)

Computer System Concepts (undergraduate junior level course) (Spring 2021 & 2020)

Operating Systems Structure (undergraduate senior-level course) (Fall 2021, 2020 & 2019)

C# (junior level) (Fall 2020)

Data Structures (undergraduate sophomore-level course) (Fall 2020 & 2019)

Computer Languages – Python (undergraduate junior-level course) (Fall 2020)

Computer Science II – Java (undergraduate freshman-level course) (Spring 2020)

Computer Science I – Java (undergraduate freshman-level course) (Fall 2019)

Experience mentoring capstone project teams during their senior year.

Experience in advising undergraduate Computer Science and Information Systems students.

Actively assisted in setting up a new Cybersecurity minor and Area of Emphasis (AoE) in the Computer Science and Information Systems Department.

Actively involved in creating and developing curriculum for the new courses that are part of the Cybersecurity minor and AoE.

Assistant Professor, Aug 2017 – Aug 2019

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Computer Science, North American University (**NAU**)

Advanced Computer and Network Security (graduate-level course, online) (Summer 2019)

Advanced Operating Systems (graduate-level course, online) (Summer 2019)

Business Intelligence (graduate-level course, online) (Summer 2019 & 2018)

Advanced Algorithms (graduate-level course, online) (Spring 2019 & 2018)

Computer Organization (undergraduate sophomore-level course) (Fall 2018 & 2017, and Spring 2019 & 2018)

Systems Programming using UNIX and C (undergraduate sophomore-level course) (Spring 2019 & 2018)

Introduction to Computer Science II – Java (undergraduate freshman-level course) (Fall 2018 & 2017, and Spring 2019 & 2018)

Introduction to Computer Science I – Python (undergraduate freshman-level course) (Fall 2018 & 2017, and Spring 2019 & 2018)

Computer Architecture (graduate-level course, online) (Fall 2018)

Algorithms (undergraduate junior-level course) (Fall 2018 & 2017)

Data Structures (undergraduate sophomore-level course, online) (Summer 2018)

Operating Systems (undergraduate junior-level course) (Fall 2017)

Experience in advising undergraduate and graduate Computer Science students.

Lecturer, Aug 2014 – Dec 2014
Computer Science, UTEP Jun 2010 – Aug 2010

Computer Programming for Scientists and Engineers (undergraduate sophomore-level course) (Fall 2014) co-taught as co-instructor.

Software Testing, Verification, and Validation (graduate-level core course) (Summer 2010), Software Engineering program co-taught as principal instructor.

Lead Graduate Teaching Assistant, Computer Science, UTEP Jan 2010 – May 2014

Software Engineering Design and Implementation (undergraduate senior-level course) (Spring 2014)

Software Engineering Requirements (undergraduate senior-level course) (Fall 2013)

Data Structures (undergraduate sophomore-level course) (Spring 2013)

Advanced Object-Oriented Programming (undergraduate junior-level course) (Fall 2012 & 2011)

Elementary Data Structures (undergraduate freshman-level course) (Fall 2012 & Spring 2012)

Automata, Computability, and Formal Languages (undergraduate junior-level course) (Spring 2011)

Software Architecture (graduate-level core course) (Fall 2010)

Computer Architecture II (undergraduate junior-level course) (Spring 2010)

Supervised all TAs as lead TA from Fall 2010. Supervised around 20 TAs each semester. Conducted evaluations of all TAs from both faculty and students.

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Proposed and implemented new ways of accountability for both TAs and students, which resulted in a better learning experience and optimal utilization of TAs.

Graduate Teaching Assistant, Software Engineering, UHCL Aug 2007 – Dec 2007
Personal Software Processes (graduate-level course) (Fall 2007)

RESEARCH EXPERIENCE

Master's Thesis Advisor, UTEP Aug 2025 –
Involved as an advisor and chair of the master's thesis for a student who is working on the cybersecurity concerns of high-risk Artificial Intelligence systems and the efficacy of the countermeasures.

Mentor, UTEP Aug 2025 –
Involved as a mentor, mentoring an undergraduate student who is working on the cybersecurity concerns of high-risk Artificial Intelligence systems and the efficacy of the countermeasures.

Mentor, UTEP Sep 2024 –
Involved as a mentor, mentoring two undergraduate students on the project titled “Data Poisoning Attacks on High-Risk Artificial Intelligence Systems and the Efficacy of Countermeasures”. This project focuses on the key data poisoning techniques and the efficacy of their countermeasures on high-risk AI Systems.

Mentor, UTEP Feb 2024 –
Involved as a mentor, mentoring two undergraduate students on the project titled “Cybersecurity for Civilian Drones”. This project focuses on the key cybersecurity threats to civilian drones and how to mitigate them.

CAHSI LREU Mentor, UTEP Feb 2024 – Nov 2024
Involved as a mentor with the Computing Alliance of Hispanic-Serving Institutions (CAHSI) Local Research Experience for Undergraduates (LREU) program. Mentored two undergraduate students (underrepresented and minority women) on the project titled “Cybersecurity for High-Risk Artificial Intelligence (AI) Systems”, which resulted in two posters being presented at the Great Minds in STEM (GMiS) 2024 Conference.

Mentor, UTEP Jun 2023 – Aug 2023
Involved as a mentor, mentoring an undergraduate student on the project titled “Cybersecurity Issues in Civilian Drones and the Efficacy of Countermeasures”. This project focuses on the key attack techniques and the efficacy of their countermeasures on the security posture of civilian drones.

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Research Associate, Cyber-shARE, UTEP

Jun 2014 – May 2016

Conducted research and developed a metadata management system to support and promote interdisciplinary research (IDR).

Other Research Experience:

Developed an approach for detecting and preventing Cross-Site Scripting (XSS) attacks on Web applications as part of my dissertation research. Currently, working on the technology transfer of the innovation that resulted from my dissertation work.

Assisted in writing a grant proposal for NSF.

Experience writing mini grants for equipment and promoting undergraduate research.

Involved as Co-PI and submitted a grant proposal for the Innovation Grants Program.

Conducted preliminary research work on using model-based testing (MBT) for testing aspect-oriented programs (AOP).

Conducted an extensive literature study on MBT by surveying over 100 papers and wrote extended abstracts for 45 of those.

GRANTS

2021 Innovation Grants Program, An Engineering Laboratory with Remote Access, **Co-PI** with Afrin Naz, Mingyu Lu, Stephen Goodman, Charan Litchfield, and Sanish Rai. (Submitted September 2020).

PUBLICATIONS

Gurijala, Bhanukiran, "A unified cyber-enhanced approach for detecting cross-site scripting attacks on Web applications" (2016). *ETD Collection for the University of Texas, El Paso*. AAI10152104.

Conference Publications

Osuna, F., **Gurijala, B.**, Esparza, P., Akbar, M., and Gates, A., "A Feasibility Study of an Approach to Extend Research Footprints Using Disparate Sources," Proceedings of the First AAAI Workshop on Scholarly Big Data: AI Perspectives, Challenges, and Ideas, February 12-17, 2016, Phoenix, AZ.

Conference Posters and Presentations

Cybersecurity for High-Risk Artificial Intelligence (AI) Systems, Great Minds in STEM (GMiS) November 2024, Presenter: Cristina Alarcon, Mentor: **Dr. Bhanukiran Gurijala**.

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Evaluating the Impact of Model Poisoning on High-Risk Artificial Intelligence (AI) Systems, Great Minds in STEM (GMiS) November 2024, Presenter: Kimberly Opara, Mentor: **Dr. Bhanukiran Gurijala**.

PRESENTATIONS AND INVITED LECTURES

Master of Ceremonies, “AI Workshop 3”, Institute for Scholarship, Pedagogy, Innovation, and Research Excellence (InSPIRE), El Paso, Texas, USA, December 06, 2025.

Co-Moderator, “Mentor Your AI Intern”, Institute for Scholarship, Pedagogy, Innovation, and Research Excellence (InSPIRE), El Paso, Texas, USA, October 16, 2025.

Master of Ceremonies, “AI in Action: Transparency, Trust, and Modeling What Works”, Institute for Scholarship, Pedagogy, Innovation, and Research Excellence (InSPIRE), El Paso, Texas, USA, September 11, 2025.

Master of Ceremonies, Panel Discussion on “The AI Shift: Student Reflections on Tech-Enhanced Learning”, Institute for Scholarship, Pedagogy, Innovation, and Research Excellence (InSPIRE), 2nd Annual AI Leadership Forum, El Paso, Texas, USA, July 16, 2025.

Panelist, Institute for Scholarship, Pedagogy, Innovation, and Research Excellence (InSPIRE), “Clearing the Fog: Open Conversations about AI at UTEP”, 2nd Annual AI Leadership Forum, El Paso, Texas, USA, June 11, 2025.

A Novel Unified Cyber-Enhanced Approach for Detecting Cross-Site Scripting Attacks on Web Applications. Invited Technical Presentation, IEEE West Virginia Section, Beckley, West Virginia, USA, November 14, 2019.

SERVICE

Leadership

Member of the AI Risk Management Working Group, Consortium of Cybersecurity Clinics, 2025 –

University of California, Berkeley, Berkeley, CA, USA

Provost's Faculty Fellow in Artificial Intelligence (AI), Institute for Scholarship, Pedagogy, Innovation, and Research Excellence (InSPIRE), UTEP, El Paso, TX, USA 2025 –

Member of the Advisory Board, Master of Science in Software Engineering, UTEP, El Paso, TX, USA 2025 – 2010 – 2011

Faculty Mentor, UTEP Miners Cybersecurity Clinic, UTEP, El Paso, TX, USA 2025 –

Faculty Collaborator, CodeCore, UTEP, El Paso, TX, USA 2025 –

Faculty Advisor, Free and Open-Source Software Club (FOSS), 2024 –

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UTEP, El Paso, TX, USA

Faculty Advisor, IEEE Student Organization, WVU Tech, Beckley, WV, USA 2021 – 2022

Member of the Advisory Council, Academy of Careers and Technology, Beckley, WV, USA 2021 – 2022

Member of the Advisory Board, Computer Science & Information Systems, WVU Tech, WV, USA 2019 – 2022

Faculty Mentor, ACM ICPC Programming Competition, WVU Tech, Beckley, WV, USA 2019

Faculty Advisor, ACM Chapter, NAU, Stafford, TX, USA 2018 – 2019

Strategic Planning Committee Member, NAU, Stafford, TX, USA 2018 – 2019

Steering Committee Member, Distance Education, NAU, Stafford, TX, USA 2018 – 2019

Steering Committee Member, Student Success Office, NAU, Stafford, TX, USA 2018 – 2019

Member of the Advisory Board, Computer Science, NAU, Stafford, TX, USA 2017 – 2019

Faculty Advisor, ACM-W Chapter, NAU, Stafford, TX, USA 2017 – 2019

Member of the Advisory Board, Office of International Programs (OIP), UTEP, El Paso, TX, USA 2012 – 2013

University Service

Member of the Software Continuous Quality Improvement (CQI) Committee, 2024 –

Computer Science, College of Engineering, UTEP, El Paso, TX, USA

Member of the Fundamentals CQI Committee, 2022 –

Computer Science, College of Engineering, UTEP, El Paso, TX, USA

Member of the Faculty Evaluation Committee, 2021 – 2022

College of Engineering, WVU Tech, Beckley, WV, USA

Member of the Faculty Search Committee, 2019 – 2022

Computer Science, WVU Tech, Beckley, WV, USA

Awards Committee Member, 2018 – 2019

NAU, Stafford, TX, USA

Liaison, Institutional Assessment, and Improvement Planning, 2017 – 2019

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Computer Science Department, NAU, Stafford, TX, USA

Webmaster, Indian Student Association (ISA),
UTEP, El Paso, TX, USA

2013 – 2016

Professional Service

International/Global Level

CSAB/ABET Program Evaluator for Computer Science (Visits completed as of 2025 –)	2025 –
Program Committee Member (Artifact Evaluation), The ACM Special Interest Group on Programming Languages (SIGPLAN) International Conference on Software Language Engineering (SLE)	2025 –
CSAB/ABET Program Evaluator for Software Engineering (Visits completed as of 2025 – 2)	2024 – 2029
Proctor , IEEEExtreme Programming Competition	2024 –
CSAB/ABET Program Evaluator Candidate for Software Engineering	2023 – 2024
Member , IEEE Standards Association (IEEE-SA), IEEE P3396 – Recommended Practice for Defining and Evaluating Artificial Intelligence (AI) Risk, Safety, Trustworthiness, and Responsibility	2023 –
Member , IEEE Standards Association (IEEE-SA), IEEE P3349 – Standard for Space System Cybersecurity	2023 –
Secretary and Member , IEEE Standards Association (IEEE-SA), IEEE P3407 – Standard for End-to-End Software Testing Automation Tools	2023 –
Member , IEEE Senior Member Application Review Panel	2023 –
Program Committee Member (Artifact Evaluation), The ACM Special Interest Group on Software Engineering (SIGSOFT) International Symposium on Software Testing and Analysis (ISSTA)	2023 – 2024
Special Session Organizer and Chair , The 5th International Conference on Communication, Management, and Information Technology	2018
Member of the Technical Program Committee , GSTF Journal on Computing (JoC)	2017 –
Journal Reviewer , Athens Institute for Education and Research (ATINER)	2015 –

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National Level

Judge , TAA Textbook Awards Program, TAA	2023 –
External Reviewer for Promotion and Tenure , Missouri Western State University	2021
Judge , TAA Textbook Awards Program, TAA	2019 – 2020

Volunteer/Outreach/Community Service

Judge , Summer Undergraduate Research Symposium, El Paso, TX, USA	2024 –
Judge , Spring Undergraduate Research Symposium, El Paso, TX, USA	2024 –
Cybersecurity Expert , STEMCARE, Beckley, WV, US	2021
Guest Speaker/Presenter , Independence High School, Sophia, WV, USA	2021
Judge , Summer Undergraduate Research Symposium, Morgantown, WV, USA	2021
Judge , Spring Undergraduate Research Symposium, Morgantown, WV, USA	2021
Judge , Math Field Day, Beckley, WV, USA	2020
Judge , First Lego League Robotics, Beckley, WV, USA	2019
Member , American Red Cross, USA	2010 –

PROFESSIONAL DEVELOPMENT

Participated in the **2025 Global EdTech Summit** that included: *The Opener: AI as Thought Partner*, *The Showcase: Pearson Authors in Action*, *The Spotlight: Learning's Next Frontier through AI Innovation*, *The Deep Dive: The Future of Assessment*, *The Keynote: Championing the AI Generation*, October 16, 2025.

Participated in the Great Minds in STEM (GMiS) Conference, San Diego, CA, USA, October 1 – 4, 2025.

Participated in and completed **Pearson's Shape the Future: Global Educator Series 2025** that included: *AI & Assessment: The Essential Framework for Higher Ed*, *Teaching with AI: Practical Classroom Strategies*, *Game-Based Learning: Engaging Students in Higher Ed*, and *AI in Higher Ed Classroom: What Educators Need to Know A Panel Discussion*.

Participated in and completed **Machine Learning Miniseries**.

Participated in and completed **NSF I-Corps** (entrepreneurship boot camp).

Participated in and completed the **CAHSI Affinity Research Group Model: Creating and Maintaining Effective Research Teams course**.

Participated in and completed 10 hours of training at **HyFlex Academy**.

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Participated in and completed the *Student Engagement with Technology Institute (SETI)*.

Participated in and completed the *Teaching with Artificial Intelligence Academy (TAIA)*.

Participated in and completed *Python Essentials for Instructors*.

REFERENCES

Available on request.