# Mario A Garcia
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## 1. Education:

- University of Maryland University College, Postdoc - Cybersecurity. 2007.

- Texas A&M University, Ph.D. Computer Science. - Dissertation Title: "*Intelligent Agents Applied to Software Management*" Major Artificial Intelligence. 1997.
- Instituto Tecnologico y de Estudios Superiores de Monterrey (ITESM), Master of Science in Computer Science. Thesis Title: "*Methodology to Diagnose Alarms Using a Real Time Expert System*" Major Artificial Intelligence. 1991.
- Instituto Tecnologico de la Laguna, Master of Science in Electrical Engineering. 1980.  Major Control Thesis Title: "*Set Theoretical Control*" December 1980.
- Instituto Tecnologico de Saltillo, Bachelor of Science in Electrical Engineering. Thesis Title: "*Using Sparse Matrix for the Analysis of Electrical Circuits*" 1979.

- Purdue University, Certificate - Information Assurance. 2004.

- Carnegie Mellon University (CMU), Certificate - Information Assurance. 2003.

## 2. Academic Experience:

- Director of the Institute for Cybersecurity. Southeast Missouri State University (SEMO) 2020-present.
- Texas A&M University-Corpus Christi (TAMU-CC) 2016-2019 - Associate Dean for Academics, College of Science and Engineering.
- Professor of Computer Science and Cybersecurity Southeast Missouri State University.
- University of Maryland University College, Adjunct Professor (online): 2009-2015.
- Texas A&M University Corpus Christi, Professor of Computer Science: 2009-2019.
- Texas A&M University Corpus Christi, Associate Professor of Computer Science: 2004-2009.
- Texas A&M University Corpus Christi, Assistant Professor of Computer Science: 1999-2004.
- Monterrey Institute of Technology (ITESM), Assistant Professor of Computer Science: 1998-1999.
- Texas A&M University, Lecturer Computer Science: 1996-1997.
- Texas A&M University, Research Assistant: 1993-1996.
- National System of Technological Institutes, Assistant Professor: 1979-1992.

## 3. Professional Experience:

- Lawrence Livermore National Laboratory. Visiting Scientist. Livermore California, Summers 2012-2015.
- Naval Undersea Warfare Center. Visiting Scientist. Newport Rode Island. Summers 2013-2014.

- The University of California at Berkeley. Visiting Scientist. Berkeley California. Summer 2009.
- Stanford University. Visiting Scientist working with Professor John Mitchell. Palo Alto, California. Summer 2006.
- Carnegie Mellon University. Visiting Scientist working at the Software Engineering Institute. Pittsburgh, PA. Summers 2002 and 2005.
- Purdue University. Visiting Scientist working with Dr. Melissa Dark. Summer 2003.

4. **Leadership activities: Southeast Missouri State University (SEMO):**
- Member of the University President strategic planning committee. – The committee generated the University Strategic Plan for 2023-2028.
- SEMO's Point of contact for the National Security Agency (NSA) Centers of Academic Excellence (CAE).
- Advisor of the Cyber defense team that won ten consecutive years the CCDC State competition.
- Provided leadership for the operation of the SEMO Cyber Range composed of 1500 cores and 6 Penta bytes of storage.
- Organizer of the Missouri NSA High-School Superintendents and Principals Summit. – This event is part of an NSA national initiative to create cybersecurity awareness in High-School teachers and students.
- Facilitated the partnership with EC-Council, the largest cybersecurity technical certification body. https://www.eccouncil.org/
- Collaboration with Cape High-School, training students in cybersecurity
- Participated in the ABET Accreditation of the Bachelor of Science in Computer Science (BS CS) and BS in Cybersecurity (CY).
- Leader in the designation as Center of Academic Excellence (CAE) of the Master of Science in Cybersecurity (MS CY) by the National Security Agency (NSA).
- Leader in the re-designation as Center of Academic Excellence (CAE) of the Bachelor of Science in Cybersecurity (BS CY) by the National Security Agency (NSA).
- Leader in the planning, design, and construction of the IBM- SEMO Cyber Command Center. SEMO got a 1.6 million grant from the government of Missouri and a 1 million donation for the construction of the Cyber Command Center, a facility that will be used to create cyber security awareness in the state. (to be completed June 2024).

   a. **Leadership activities: TAMU-CC Associate Dean**
- Coordinated all academic activities of the college including reviewing of academic programs, help in programs accreditations, responsible of the college assessment, class scheduling, TA's assignment, and faculty and students' conflicts resolution.

5. **Recent Publications:**
- Garcia, M. and Hailu, Y., 2023, " Security in Intelligent Home", E-Leader International Journal, Volume 16, Number 2, http://www.g-casa.com, ISSN 1935-4819, Chinese American Scholars Association, New York, New York, USA, July

- Elfrink, Sam, Mario Alberto Garcia, Xuesong Zhang, Zhouzhou Li, M. O. Cape Girardeau, and US Qiuyu Han. "Teaching Case Unearth IoT Security Vulnerabilities by Reverse Engineering: A Face-recognition IoT Application-based Lab Exercises." In Proceedings of the EDSIG Conference ISSN, vol. 2473, p. 4901. 2022
- Xiaoming L. Schwieger D, McAllister C, Li. G, Tharinda E. and Garcia M. An Initial Exploration of Multi-Node Open Cloud Infrastructure Testbed. Proceedings of the Conference on Information Systems Applied Research CONISAR conference. Washington DC. November 3-6, 2021.
- Zhouzhou Li, Waleed Amer, Grey Ruessler, Mario Garcia, & Xiaoming  A Common but Flexible Method for IoT DeviceForensics. IEEE GLOBECOM 2021, December 7 - 11, in Madrid, Spain.
- Li, Z., Liu, X., Garcia, M., & McAllister, C. (2021). Construct Forensic Evidence Networks from Information Fragmen. In Proceedings of the 10th EAI International Conference on Mobile Multimedia Communications.
- Li, Z., Amer, W., Ruessler G., Garcia M., & Liu, X. (2021).  A Common but Flexible Method for IoT Device Forensics. In IEEE Globecom 2021. IEEE.

6.  **Professional Development Activities**

- Attended Cybersecurity Educational Colloquium, Chicago, IL, September 17-22, 2023.
- Attended CAE Faculty Professional Development Workshops:   Bootcamp: Malware Analysis and detection.   Palm Spring, California, May 1-2, 2023.
- Attended workshop Train the Trainer on Program Competencies. Palm Spring, California, May 3-,4 2023.
- Attended the NSA CAE National Conference. Seattle, WA, June 7-9, 2023.
- Autonomous Vehicles Cyber Security Workshop. July 10- August 6, 2023. Online.
- Attended the NSA CAE annual meeting. Atlanta, GA. June 8-11, 2022.
- Attended NSA Leadership program. July 26-29, 2022.
- Attended BPC workshop on Increasing participation of Cyber Security underrepresented students. Denver CO. August 3-5, 2022.
- Attended South Dakota CAE Cybersecurity Training. Las Vegas NV, August 8-11, 2022
- Attended IBM Creating Cybersecurity Awareness Workshop for CEO's. Boston, MA. June 2-4, 2022.
- Selected by TAMU-CC University President, Dr. Kelly Quintanilla for the Texas Academic Leadership Academy. Texas Women University. Dallas TX January – December 2019.
- Texas Academic Leadership Academy. Sam Houston State University. July 20-July 22, 2018.
- Council of College of Arts and Sciences Deans Meeting. Chicago Il. November 14-17, 2018.
- Council of College of Arts and Sciences Deans Meeting. Denver Col. November 1-4, 2017.