IDENTIFYING INFORMATION:

NAME: Moradi, Hamidreza

ORCID iD: https://orcid.org/0000-0003-4693-2914

POSITION TITLE: Assistant Professor

PRIMARY ORGANIZATION AND LOCATION: North Carolina A&T State University, Greensboro, North Carolina, United States

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	RECEIPT DATE	FIELD OF STUDY
University of Texas at San Antonio, San Antonio, Texas, US	Ph.D.	12/2020	Computer Science
University of Texas at San Antonio, San Antonio, Texas, United States	MS	08/2019	Computer Science
Islamic Azad University - Tehran North, Tehran, Not Applicable, N/A, Iran	BS	06/2009	Computer Science

Appointments and Positions

2023 - present Assistant Professor, North Carolina A&T State University, Department of Computer Science, Greensboro, North Carolina, United States

2021 - 2023 Assistant professor, The University of Mississippi Medical Center, Data Science , Jackson, MS, US

2018 - 2020 Lecturer, University of Texas at San Antonio, San Antonio, Texas, United States

2009 - 2016 Co-founder and Network Engineer, Chalak Rayaneh Co. Ltd., Tehran, Not Applicable, N/A, Iran

Products

Products Most Closely Related to the Proposed Project

1. Morris M, Moradi H, Aslani M, Sims M, Schlundt D, Kouros C, Goodin B, Lim C, Kinney K. Predicting incident cardiovascular disease among African-American adults: A deep learning approach to evaluate social determinants of health in the Jackson heart study. PLOS ONE. 2023 November 10; 18(11):e0294050-. Available from: https://dx.plos.org/10.1371/journal.pone.0294050 DOI: 10.1371/journal.pone.0294050
2. Moradi H, Bunnell HT, Price BS, Khodaverdi M, Vest MT, Porterfield JZ, Anzalone AJ, Santangelo SL, Kimble W, Harper J, Hillegass WB, Hodder SL. Assessing the effects of therapeutic combinations on SARS-CoV-2 infected patient outcomes: A big data approach. PLoS One. 2023;18(3):e0282587. PubMed Central PMCID: PMC9997963.
3. Littlefield Nickolas, Moradi Hamidreza, Amirian Soheyla, Kremers Hilal Maradit, Plate Johannes F, Tafti Ahmad P. Enforcing Explainable Deep Few-Shot Learning to Analyze Plain Knee Radiographs: Data from the Osteoarthritis Initiative. 2023 IEEE 11th International Conference on Healthcare Informatics (ICHI); 2023; c2023.
4. Ogden Jenny, Lee David M, Moradi Hamidreza. Transfer Learning for Classification of Retinal Disease using Fundus Imaging. 2023 IEEE 11th International Conference on Healthcare

Informatics (ICHI); 2023; c2023.

5. Lee David M, Moradi Hamidreza. Knowledge-Infused Dynamic Embedding for Predicting the Severity of Suicidal Ideation in Social Media. 2022 International Conference on Computational Science and Computational Intelligence (CSCI); 2022; c2022.

Other Significant Products, Whether or Not Related to the Proposed Project

1. Moradi H, Wang W, Zhu D. Online Performance Modeling and Prediction for Single-VM Applications in Multi-Tenant Clouds. IEEE Transactions on Cloud Computing. 2023; 11(1):97-110. Available from: https://ieeexplore.ieee.org/document/9427160/ DOI: 10.1109/TCC.2021.3078690
2. Littlefield Nickolas, Plate Johannes F, Weiss Kurt R, Lohse Ines, Chhabra Avani, Siddiqui Ismaeel A, Menezes Zoe, Mastorakos George, Amirian Soheyla, Moradi Hamidreza, others. AI Fairness in Hip Bony Anatomy Segmentation: Analyzing and Mitigating Gender and Racial Bias in Plain Radiography Analysis. 2023 IEEE 11th International Conference on Healthcare Informatics (ICHI); 2023; c2023.
3. Khodaverdi M, Moradi H, Timothy Bunnell H, Zachary Porterfield J, Vest MT, Santangelo SL, Kimble W, Anzalone AJ, Harper J, others. The Impact of COVID-19 Treatments on Patient Outcomes: A Probabilistic View. Topics in Antiviral Medicine. 2022; :250--250.
4. DiHi: Distributed and Hierarchical Performance Modeling of Multi-VM Cloud Running Applications. IEEE int'l Conf. on High Performance Computing and Communications (HPCC); ; c2020.
5. Moradi H, Wang W, Fernandez A, Zhu D. uPredict: A User-Level Profiler-Based Predictive Framework in Multi-Tenant Clouds. 2020 IEEE International Conference on Cloud Engineering (IC2E). 2020 IEEE International Conference on Cloud Engineering (IC2E); ; Sydney, Australia. IEEE; c2020. Available from: https://ieeexplore.ieee.org/document/9096490/ DOI: 10.1109/IC2E48712.2020.00015

Synergistic Activities

1. Interdisciplinary Research Collaboration: Collaborated with researchers from different disciplines, such as medical sciences, to apply deep learning techniques in healthcare applications. Resulted in three grants from NIH/NIGMS as co-investigator, and one grant as PI.
2. Service to the Engineering Community: Served as a reviewer for more than seven prestigious journals and conferences in the fields of computer science and artificial intelligence, including IEEE Transactions on Cloud Computing (CLOUD), American Medical Informatics Association (AMIA), Journal of Supercomputing (SUPE), Transactions on Parallel and Distributed Systems (TPDS), Elsevier Sustainable Cities and Society (SCS).
3. Community Outreach: Engaged and awarded in outreach activities that promote computer science and AI in the local community (MITRE GenAI, OSCT Marquette University)
4. Teaching Enhancement: Engaged and awarded for active development of interactive materials and sharing of best practices to enhance the quality of higher education (Quality Maters [QM], University of Texas -SA)

Certification:

When the individual signs the certification on behalf of themselves, they are certifying that the

information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Moradi, Hamidreza in SciENcv on 2024-03-31 17:55:50