

Publication List – Legand L. Burge

Artificial Intelligence / Machine Learning

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4. D. H. Hagos, L. L. Burge, A. Andy, A. Yazidi and V. Vlassov, "BiSparse-AAS: Bilinear Sparse Attention and Adaptive Spans Framework for Scalable and Efficient Text Summarization," 2025 IEEE International Conference on Data Mining (ICDM), Washington DC, DC, USA, 2025, pp. 1273-1282, doi: 10.1109/ICDM65498.2025.00136.
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6. S. K. Aryal, H. Prioleau, G. Washington and L. Burge, "Evaluating Ensembled Transformers for Multilingual Code-Switched Sentiment Analysis," 2023 International Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, NV, USA, 2023, pp. 165-173, doi: 10.1109/CSCI62032.2023.00032.
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Conference on Computational Science and Computational Intelligence (CSCI), Las Vegas, NV, USA, 2023, pp. 1364-1370, doi: 10.1109/CSCI62032.2023.00224.

8. Saurav K. Aryal, Ujjawal Shah, Legand Burge, and Gloria Washington. 2023. From Predicting MMSE Scores to Classifying Alzheimer's Disease Detection & Severity. *J. Comput. Sci. Coll.* 39, 3 (October 2023), 317–326.
9. Aryal SK, Prioleau H, Burge L. Acoustic-Linguistic Features for Modeling Neurological Task Score in Alzheimer's. *Pac Symp Biocomput.* 2023;28:335-346. PMID: 36540989.
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Bioinformatics

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Computing Education

1. Innovative Courses that Broaden Awareness of CS Careers and Prepare Students for Technical Interviews, J Griffin, L Burge, S Goldman, D Aguiere, JA Cruz, A Alvarez, Journal of Computing Sciences in Colleges 38 (5), 54-64
2. Understanding how to engage black HS boys in computer science through tech innovation and entrepreneurship, GJ Washington, M Meijias, L Burge, Computing in Science & Engineering 22 (5), 20-28
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8. M. Mejias et al., "Equity In The Preparation Of Students For Software Engineering Coding Interviews: ChatGPT as a Mock Interviewer," 2023 Congress in Computer Science, Computer Engineering, & Applied Computing (CSCE), Las Vegas, NV, USA, 2023, pp. 1016-1020, doi: 10.1109/CSCE60160.2023.00169.
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20. Washington, A. N. and Burge, L., Mejias, M. ‡, and Jean-Pierre, K. ‡, Knox, Q. ‡ “Improving Undergraduate Student Performance in Computer Science at Historically Black Colleges and Universities (HBCUs) through Industry Partnerships”, SIGCSE '15 Proceedings of the 46th ACM Technical Symposium on Computer Science Education, p. 203-206.
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Entrepreneurship

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