

Nathan Denny

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Education

- 1998** MSc., Computer Science
Southern Illinois University, Carbondale, IL
- 1997** BSc., Mathematics and Computer Science
Southern Illinois University, Carbondale, IL

Work Experience

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| 2019-Current | Lead Research Analyst, Ag Data Services, Purdue University |
| 2013-2019 | Sr. Data Science Engineer, Purdue University |
| 2010-2013 | Software Engineer, Purdue University |
| 2007-2010 | Scientist, 21 st Century Systems, Inc. |
| 2000-2007 | Sr. Systems Programmer, University of Arizona |

Selected Publications

- Boehm, R., Doucette, J., & Denny, N. (2024). FAIR from plan to preservation: a rubric to empower researcher driven data stewardship. *Research Data Access and Preservation Summit 2024*.
- Clark, S., Haley, B., Hunt, M., Denny, N., & Anderson, D. (2019). nanoHUB@ home: Expanding nanoHUB Through Volunteer Computing. *Gateways 2019*.
- Zentner, M., Denny, N., Madhavan, K., Samek, S., Adams III, G., & Klimeck, G. (2018). Using Automatic Detection and Characterization to Measure Educational Impact of nanoHUB. *Proceedings of the 13th Gateway Computing Environments Conference*.
- Zentner, M. G., Zentner, L. K., McKay, D., Samek, S., Denny, N., Brunswicker, S., & Klimeck, G. (2015). In the Flow: Evolving from Utility Based Social Medium to Community Peer. *Transparency in Social Media: Tools, Methods and Algorithms for Mediating Online Interactions*, 183–196.
- Madhavan, K., Zentner, L., Farnsworth, V., Shivarajapura, S., Zentner, M., Denny, N., & Klimeck, G. (2013). nanoHUB. org: cloud-based services for nanoscale modeling, simulation, and education. *Nanotechnology Reviews*, 2(1), 107–117.
- Gupta, A., Denny, N. T., O'Toole, K., Bondade, R., & Halder, D. (2011). Global software development using the 24-Hour Knowledge Factory paradigm. *International Journal of Computer Applications in Technology*, 40(3), 191–202.
- Klimeck, G., Adams III, G. B., Madhavan, K. P., Denny, N., Zentner, M. G., Shivarajapura, S., Zentner, L. K., & Beaudoin, D. L. (2011). Social Networks of Researchers and Educators on nanoHUB. org. *2011 11th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing*, 560–565.
- Denny, N., & Walenz, B. (2010). *Mission Profiles and Evidential Reasoning for Estimating Information Relevancy in Multi-Agent Supervisory Control Applications*.

Nathan Denny

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- Denny, N., Crk, I., & Sheshu, R. (2008). Agile software processes for the 24-hour knowledge factory environment. *Journal of Information Technology Research (JITR)*, 1(1), 57–71.
- Denny, N., Mani, S., Nadella, R. S., Swaminathan, M., & Samdal, J. (2008). Hybrid offshoring: Composite personae and evolving collaboration technologies. *Information Resources Management Journal (IRMJ)*, 21(1), 89–104.
- Fischer, A., & Denny, N. (2008). Supervisory controlled operations of UAVs for tracking and surveillance of vehicle targets (SCOUTS). *Unmanned Systems Technology X*, 6962, 165–175.
- Denny, N., & Petrov, P. (2008). Dynamic building visualization for first responders. *Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security and Homeland Defense VII*, 6943, 422–431.
- Wahlin, B., Strand, R., Goodell, C., Clemmens, A., & Denny, N. (2008). SCADA Operator Training Tool Applied to the Central Arizona Irrigation and Drainage District. *World Environmental and Water Resources Congress 2008: Ahupua'a*, 1–10.
- Dossani, R., & Denny, N. (2007). The Internet's role in offshored services: a case study of India. *ACM Transactions on Internet Technology (TOIT)*, 7(3), 15-es.
- Elhourani, T., Denny, N., & Marefat, M. (2007). A distributed constraint optimization solution to the P2P video streaming problem. *Proceedings of the National Conference on Artificial Intelligence*, 22(2), 1347.
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- Denny, N., & Marefat, M. (2005). Exploiting similarity metrics and case-bases for knowledge sharing between case-based reasoners. *IRI-2005 IEEE International Conference on Information Reuse and Integration, Conf, 2005.*, 452–457.
- Strand, R., Clemmens, A., & Denny, N. (2005). Training SCADA operators with real-time simulation. *SCADA and Related Technologies for Irrigation District Modernization*, 319.
- Tragoudas, S., & Denny, N. (2003). Path delay fault testing using test points. *ACM Transactions on Design Automation of Electronic Systems (TODAES)*, 8(1), 1–10.