Yvonne Appiah Dadson

Doctoral Student, Information Sciences
Research Assistant, Extreme Events, Social Equity, and Technology Laboratory
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EDUCATION

2021 – 2026 (expected)	**Ph.D. Information Science,** University at Albany – The State University of New York. *Concentrations:* Data Analytics and Information for Risk in Emergency Management & Security (IRES). *Dissertation Advisor***:** Dr. DeeDee Bennett-Gayle
2019 – Dec. 2020	**Master of Public Administration** University of North Texas
2013 – 2015	**Master of Philosophy in Economics,** University of Ghana *Thesis Title*: Examining the Effects of Fiscal Deficits on Inflation in Ghana *Thesis co-Chairs:* Dr. Emmanuel Codjoe and Dr. Baah-Boateng
2004 – 2008	**Bachelor of Arts in Economics**, Kwame Nkrumah University of Science and Technology, Ghana. *Final-year dissertation*: The Contribution of Rural Banks to Rural Poverty Reduction: A case study of Kumawuman Rural Bank *Supervisor:* Dr. Anthony Kofi Osei- Fosu
2012	**Professional Banking & Finance Program (Level I & II)** The Chartered Institute of Bankers (GH), Ghana

POSITIONS and APPOINTMENTS

2022 – Present	**Graduate Research Assistant**, Extreme Events, Social Equity and Technology (E^{2}SET) Laboratory, University at Albany, SUNY, Albany, NY.
2021	**Graduate Assistant** – Dean's Office, College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany, SUNY, Albany, NY
2020	**Research Assistant**, Department of Geography and the Environment, University of North Texas., Denton TX
2018 – 2019	**Supervisor (Awutu-Senya East),** *Ghana Census of Agriculture*, Ghana Statistical Service
2017 – 2018	**Consultant**, Pentax Management Consultancy Services Limited
2016 – 2017	**Junior Business Associate**, Plan Consult
2016	**Survey Assistant,** Ghana Social Accountability Mechanism (GSAM) Project, Institute of Statistical, Social & Economic Research (ISSER), University of Ghana
2013-2015	**Tutor**, Insanniya Senior High School, Ghana
2011-2013	**Tutor, National Competing Center (NCC-UK) Diploma Courses,** IPMC – College of Technology
2009 – 2011	**Sales Representative,** God's Grace Enterprise
2008 - 2009	**National Service Personnel**, Global Access Services Limited

RESEARCH INTERESTS
Socially vulnerable populations specifically immigrant populations; assistive technologies; privacy concerns and advanced technologies.

AWARDS and HONORS

2025	**Initiatives for Women** (IFW) award
2025	**CHEER** Summer Scholar
2025	Empowering Community Resilience Award
2025	**GSS Sustainability, Research, and Innovation** (SRI2025) Travel Award
2025	**Mid-Atlantic VOAD** conference scholarship
2025	**Finalist**, 3-Minute (3MT) Competition, University at Albany, State University of New York.
2024	Bill Anderson Fund Fellow
2024	Information Sciences PhD Travel Grant, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany- State University of New York.
2024	SIG-USE Student Travel Award
2024	Northeast Chapter of the Association for Information and Technology (**NEASIS&T**) Conference Support Award
2023	**Best Paper Reviewer Award,** 86th Annual Meeting of the Association for Information and Technology (ASIS&T).
2023	**Best Research Paper,** 20th International Conference on Information Systems for Crisis Response and Management (**ISCRAM 2023**).
2022	**Best Poster Award**, New York Celebration of Women in Computing (NYCWiC).
2021	**Graduate Assistantship and Tuition Scholarship,** Department of Information Science, University at Albany, SUNY.
2020	**Graduate Research Assistantship and Tuition Scholarship,** Department of Geography and the Environment, University of North Texas.
2019	**HPS/PADM Charldean Newell Graduate Public Administration Scholarship**, Department of Public Administration, University of North Texas.
2019 – 2020	**Outreach Multicultural Scholastic Award**, University of North Texas.

PUBLICATIONS
Journal Articles (peer-reviewed)
1. **Dadson, Y. A**., Bennett-Gayle, D. M., Ramenzoni, V., & Gilmore, E. A. (2024). Experiences of Immigrants During Disasters in the US: A Systematic Literature Review. *Journal of Immigrant and Minority Health*. https://doi.org/10.1007/s10903-024-01649-8
2. Kumi-Yeboah, A., Kim, Y., Yankson, B., Aikins, S., & **Dadson, Y. A.** (2023). Diverse students' perspectives on privacy and technology integration in higher education. *British Journal of Educational Technology, 54*(6), 1671–1692. https://doi.org/10.1111/bjet.13386
3. Oppong, J. R., **Dadson, Y. A**., & Ansah, H. (2022). Africa's innovation and creative response to COVID-19. *African Geographical Review*, *41*(3), 318–335. https://doi.org/10.1080/19376812.2021.1897635

Conference Proceedings (peer- reviewed)
1. Bennett Gayle, D., **Dadson, Y.**, Goodarzi, M., & Yuan, X. (2025). COVID-19 Mobile Applications for Vaccination in New York State (NYS). *Hawaii International Conference on System Sciences (HICSS).* (**Nominated for Best Paper Award**).

2. Yankson, B., Berkoh, E., Hussein, M., & **Dadson, Y. A.** (2024). The Role of Industry-Academia Partnerships Can Play in Cybersecurity: Exploring Collaborative Approaches to Address Cybercrime. *International Conference on Cyber Warfare and Security*, *19*(1), 26–33. https://doi.org/10.34190/iccws.19.1.2169
3. Yuan, X., Bennett Gayle, D., Jung, E. S., & **Dadson, Y. A**. (2023). COVID-19 Contact Tracing Mobile Applications in New York State (NYS): An Empirical Study. In H. Degen, S. Ntoa, & A. Moallem (Eds.), *HCI International 2023 – Late Breaking Papers* (pp. 505–524). Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-48057-7_32
4. Bennett Gayle, D., Yuan, X., **Dadson, Y. A.** & Edwards, N. (2023). Contact Tracing Mobile Application in New York: Qualitative Study on the Use and Privacy Perceptions. Proceedings of 20th Annual Global Conference on Information Systems for Crisis Response and Management (ISCRAM 2023) Omaha, NE May 27-31, 2023 (**Best Paper Award).**
5. Yuan, X., Bennett Gayle, D., **Dadson, Y.A.,** & Jung, E. (2022). Perception and Use of COVID Contact Tracing Mobile Applications in New York State (NYS). *Proceedings of the Association for Information Science and Technology*, *59*(1), 845–847. https://doi.org/10.1002/pra2.746
6. **Dadson, Y. A.,** Ottah, A. N., & Caramancion, K. M. (2023). A Demographic Model to Predict Arrests by Race: An Exploratory Approach. In S. Latifi (Ed.), *ITNG 2023 20th International Conference on Information Technology-New Generations* (Vol. 1445, pp. 427–430). Springer International Publishing. https://doi.org/10.1007/978-3-031-28332-1_49

WORKING PUBLICATIONS
Book Chapters (peer-reviewed)
1. Kumi-Yeboah, A., **Dadson, Y. A**., Mohammed, Z., Hussein (2025). Addressing equity, ethics, and policies in the emergence of Artificial Intelligence-based technologies in education: Prospects and challenges (**Submitted**).
2. **Dadson, Y. A.,** Sharma P., Bennett-Gayle D. and Yuan. X., (2025). Exploring the Influence of Social Capital on the Perception and Use of Contact Tracing and Vaccination Apps in New York State during the COVID-19 Pandemic: A Qualitative Secondary Analysis of Focus Group Data. (**Accepted**).
3. Edwards, N., **Dadson, Y. A**., Bennett Gayle, D., and Yuan, X.-J. (2024). Discussions on COVID-19 Mobile Apps: Insights into Mental Health in NYS. (**Accepted**).
4. **Dadson, Y. A**., Mohammed, Z., Hussein, M., Armah, Y. E. & Kumi-Yeboah, A. (2024). Ethics and privacy in AI-education: Prospects and challenges in higher education. (**Accepted**).

Journal Articles (peer-reviewed)
1. **Dadson, Y. A**., & Bennett-Gayle, D. M. (2025). State of the emergency management academic programs: 5-year longitudinal trend analysis (2019-2023). *Journal of Emergency Management* (**Accepted**).
2. Kumi-Yeboah, A., **Dadson, Y. A**., (2025). Fostering Artificial Intelligence ethics literacy among diverse students in higher education. *British Journal of Educational Technology* (**Submitted**).
3. Yuan X., Guo Q., **Dadson, Y. A**., Goodarzi, M., Jung, J., Dong, Y., Albert, N., Bennett-Gayle, D., Sharma, P., Ogunbayo, O. T., Cherukuru, J. (2025). A Review on Ethical Challenges of AI in Emergency Management. *MDPI*. (**Submitted**).

4. Bennett Gayle, D., Albert, N., & **Dadson, Y. A.,** (2025). Emergency Management Students in U.S. Academic Institutions: Equity and Workforce Readiness. *Journal of Emergency Management*

5. Bennett Gayle, D., **Dadson, Y. A.,** Goodarzi, M. & Yuan, X. (2024). Comparison between COVID-19 Contact tracing and Vaccination Mobile Applications in New York State (NYS).

6. **Dadson, Y. A**. (2023). Sub - Saharan Immigrants and Financial Recovery from Disasters.

7. **Dadson, Y. A.** (2023). A Review of the Security Challenges with Mobile Money Systems in sub-Saharan Africa.

CONFERENCE PRESENTATIONS AND POSTERS
Presentations:

1. **Dadson, Y. A.,** Sharma P., Bennett-Gayle D. and Yuan. X., (2025). Exploring the Influence of Social Capital on the Perception and Use of Contact Tracing and Vaccination Apps in New York State during the COVID-19 Pandemic: A Qualitative Secondary Analysis of Focus Group Data. *HCI International 2025 Conference (HCII2025), Gothenburg, Sweden (virtually).* (June 22 – 25, 2025).

2. **Dadson, Y. A.,** Bennett Gayle, D., & Yuan, X.-J., D., (2024). Analyzing Public Reactions to the April 2024 Northeast U.S. Earthquakes Using YouTube: Implications for People-Centric Risk Communication. *ASIS&T 2024 SIG-USE Symposium (**Virtual**)* (October 4th, 2024).

3. **Dadson, Y. A.,** Bennett-Gayle, D., Ramenzoni, V., and Gilmore, E. (2024). Challenges collecting Climate-related Perspectives from Immigrant Communities in Philadelphia. *Megalopolitan Coastal Transformation Hub (MACH) Annual Meeting 2024; Rutgers University Camden Campus Center.* (May 28 – 30, 2024).

4. **Dadson, Y. A.,** Bennett-Gayle, D., Ramenzoni, V., and Gilmore, E. (2024). Discussions on COVID-19 Mobile Apps: Focus Group Insights into Mental Health in New York State. *2024 iConference Workshop 248 - Artificial Intelligence and Mental Health, China (virtually).* (April 21, 2024).

5. **Dadson, Y. A.** (2023). Challenges and Concerns of Immigrants During Disasters. *Megalopolitan Coastal Transformation Hub (MACH) Annual Meeting 2023; Rutgers University Camden Campus Center.* (May 30 – June 1, 2023).

6. **Dadson, Y. A.** (2023). Experiences of Immigrants During Disasters. *Ben Ami Lipetz Conference: New Trends in Information Research (NTIR) College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany- State University of New York. (April 2023, Emerging Technology & Entrepreneurship Complex, ETEC Lobby).*

Posters:

1. **Dadson, Y. A.,** Sharma P., Bennett-Gayle D. and Yuan. X., (2025). Relationships As Resources: The Impact of Social Capital on Perception and Use of Covid-19 Apps. *50th Annual Natural Hazards Research and Applications Workshop.* (July 13 – 17, 2025).

2. **Dadson, Y. A.,** Bennett-Gayle, D., Ramenzoni, V., and Gilmore, E. (2025). The Climate Divide: Unveiling the Disproportionate Burden on Immigrant Communities in the United States. *Climate and Health Frontiers Symposium, University of Houston Hilton Hotel (*January 16 – 17, 2025). (**Crowd Favorite Third-Place Best Poster Award**).

3. **Dadson, Y. A.,** Bennett-Gayle, D., Ramenzoni, V., and Gilmore, E. (2024). Impacts of Disasters on Immigrant Populations in the U.S.: A Systematic Literature Analysis. *49th Annual Natural Hazards Research and Applications Workshop.* (July 14 – 18, 2024).
4. **Dadson, Y. A.,** Bennett-Gayle, D., Ramenzoni, V., and Gilmore, E. (2024). Disaster Impacts on Immigrant Populations in the U.S.: A Systematic Literature Analysis. *Disaster Research Center 60th Anniversary Workshop, University of Delaware.* (May 2 – 4, 2024).
5. **Dadson, Y. A.** (2023). Challenges Immigrants Face During Disasters: A Systematic Literature Review. *FEMA's 25th Annual Emergency Management Higher Education (HiEd) Symposium.* (June 5-7, 2023).
6. Yuan, X., Bennett Gayle, D., **Dadson, Y**., & Jung, E. (2022). Perception and Use of COVID Contact Tracing Mobile Applications in New York State (NYS). ***85th Annual Meeting of the Association for Information Science and Technology, Wyndam Grand | Pittsburgh, 2022. (October 31st, 2022).** [*Proceedings of the Association for Information Science and Technology*, *59*(1), 845–847]. https://doi.org/10.1002/pra2.746
7. **Dadson, Y.A.** (2022). Sub – Saharan Immigrants and Financial Recovery from Disaster. *Student Research Showcase, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany- State University of New York.* (April 2022).
8. **Dadson, Y. A**. & Ottah, A. (2022). A Demographic Model to Predict Arrests by Race: An Exploratory Approach. *New York Celebration of Women in Computing (NYCWiC).* (April 2022).

Abstract:
1. Ramenzoni, V., Gayle, D. B., Gilmore, E., Bollempalli, M., **Dadson, Y. A.,** & Fatema, N. (2024). Household Decision-Making on Climate Adaptation Among Low-Income Residents in Pennsylvania and New Jersey. *AGU24*.
2. **Dadson, Y. A.** Bektaş, N. & Gautam, R. (2023). Enhancing Community Resilience Against Earthquakes: A Study of Existing Buildings in Western Region, Nepal. *2023 NHERI Graduate Student Council Virtual Mini-Conference.* (May 2023).

Participation:
1. Dadson Y. A. (2025). Beyond the Undocumented: Immigrants and Disasters. *3-Minute Thesis (3MT) Competition*, University at Albany, State University of New York.
2. Bennett-Gayle D. & Dadson Y. A. (2024). State of the Community (2019-2023). *The 26th Annual Federal Emergency Management Agency Higher Education Symposium. National Emergency Training Center Campus, Emmitsburg, Maryland.* (June 3-5, 2024).

GRANT FUNDING

2022 - Present	**Graduate Research Assistant:** Large-scale CoPe: Megalopolitan Coastal Transformation Hub (MACH): Improving the Understanding and Governance of Co-Evolving Hazards, Development, and Coastal Processes. National Science Foundation. PI: Robert Kopp (Rutgers). $**19,949,000** (Sub)

TEACHING EXPERIENCE
Instructor of Record

- Research Methods for Informatics (CINF 200), University at Albany, SUNY. Undergraduate (Winter session 2025)
- Research Methods for Informatics (CINF 200), University at Albany, SUNY. Undergraduate (Summer session 2024)
- Research Methods for Informatics (CINF 200), University at Albany, SUNY. Undergraduate (Winter session 2024)
- Emergency Preparedness (CEHC 344), University at Albany, SUNY. Undergraduate (Summer 2023)
- External Internship in Emergency Preparedness, Homeland Security and Cybersecurity (EHC 390), University at Albany, SUNY. Undergraduate (Winter 2021)
- Technology-Based Community Support (INF 467), University at Albany, SUNY. Undergraduate (Winter 2021)
- Undergraduate Internship Informatics (INF 468), University at Albany, SUNY. Undergraduate (Winter 2021)

Teaching Assistant
- Cybersecurity Basics (INF124X), University at Albany, SUNY. Undergraduate (Spring 2021)
- Introduction to Data and Databases (INF 202), University at Albany, SUNY. Undergraduate (Spring 2021)

SERVICE
Professional Membership

2024	**Member,** Northeast chapter of the Association of Information Science and Technology (NEASIS&T) Programming Committee
2023 – Present	**Student Member,** American Society for Public Administration
2022 – Present	**Student Member,** Association of Information Science and Technology (ASIS&T)
2020 – Present	**Student Member,** Texas City Management Association
2011 – 2017	**Student Member** of The Chartered Institute of Bankers, Ghana

University

2024	**Graduate Ambassador**, College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany – SUNY.
2023 – Present	**Member** of the Order of the Sword & Shield Academic and Professional Honor Society, Omicron Sigma Sigma (University at Albany Chapter).
2022 – Present	**Member**, Natural Hazards Engineering Research Infrastructure Graduate Student Council (NHERI GSC).
2022	**Student Member,** CEHC's Justice, Equity, Diversity, and Inclusion (JEDI) Student Group, College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany–SUNY.
2022 – 2023	**Treasurer**, Information Science Student Association College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany –SUNY.
2021	**Member** of Faculty Search Committee for three Informatics/ Cybersecurity Assistant Professors, College of Emergency Preparedness, Homeland Security and Cybersecurity (CEHC), University at Albany – SUNY.
2014 – 2015	**Member**, Welfare Committee, *Graduate Students' Association* (GRASAG), University

of Ghana.

Profession

2025	**reviewer,** *59th Hawaii International Conference on System Sciences (HICSS)*
2025	**reviewer,** *IGI Global Scientific Publishing*
2025	**reviewer,** *Journal of International Migration and Integration*
2025	**reviewer,** *Journal of Immigrant & Refugee Studies*
2025	**reviewer,** *npj Digital Medicine*
2025	**reviewer,** *Disasters Journal*
2024	**reviewer,** *The International Journal of Mass Emergencies and Disasters*
2024	**reviewer,** *Disasters Journal*
2024	**sub-reviewer,** *Western Journal of Emergency Medicine*
2023 – Present	**reviewer,** *Association for Information Science & Technology* **(ASIS&T)**
2023 – 2024	**reviewer***, British Journal of Educational Technology*
2023	**reviewer***: SN Social Sciences*
2022	**reviewer**: *Aslib Journal of Information Management*
	sub-reviewer: *BMC Public Health*

Community-at-large

2023	**Student Volunteer**, FEMA's 25th Annual Emergency Management Higher Education (HiEd) Symposium
2022 – Present	**Volunteer**, E²SET hosts RISE High, Schenectady 9th graders at CEHC.
	Volunteer, E²SET hosts RISE High, Schenectady 9th graders at CEHC.
2020	**Student Member** of Texas City Management Association
2020	**Volunteer**, Martin Luther King Day of Service
	Volunteer, 2020 Equity & Diversity Conference
2019	**Volunteer**, Denton County Friends of the Family
	Volunteer, Rise Against Hunger
	Volunteer, Make a Difference at Newton Razor Elementary, Denton TX.
	Volunteer, GrowXGood Fest, Tetra Pak

Technical Skills

- Programming languages: Python; R
- Software: Microsoft Office Suite; ArcGIS Pro; ArcMap; ArcGIS Online
- Libraries and Packages: Jupyter; Pandas; Notebook; Matplotlib