Date: 04/07/2022

Desmond U. Patton, M.S.W., Ph.D.

Address:
Columbia University School of Social Work
1255 Amsterdam Avenue
New York, NY 10025 USA

If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:
none (U.S. citizen)

Education:

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|---|---|---|---|
| 2004 | BA | University of North Carolina (Anthropology and Political Science) | |
| 2006 | MSW | University of Michigan | |
| 2012 | PhD | University of Chicago (Social Service Administration, Crown Family School of Social Work, Policy and Practice) | |

Postgraduate Training and Fellowship Appointments:

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|---|---|
| 2017-2018 | Fellow, Berkman Klein Center for Internet and Society, Harvard University |

Military Service:
[none]

Faculty Appointments:

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|---|---|
| 2012-2015 | Assistant Professor, University of Michigan School of Social Work & School of Information |
| 2015-2018 | Assistant Professor, Columbia University School of Social Work, Courtesy appointment, Sociology |
| 2018-2021 | Associate Professor with tenure, Columbia University School of Social Work |
| 2018-present | Faculty Associate, Berkman Klein Center for Internet and Society, Harvard University |
| 2022-present | Professor, with tenure, Columbia University School of Social Work |
| 2022-present | PIK Professor, School of Social Policy & Practice Annenberg School for Communication University of Pennsylvania |

Hospital and/or Administrative Appointments:

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| 2019-2021 | Associate Dean for Curriculum Innovation and Academic Affairs, MSW Program Director, Columbia University School of Social Work |
| 2019 | Fellow, Carr Center for Human Rights Policy, Harvard |

|  | Kennedy School |
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| 2021 | Associate Director, Diversity, Equity, and Inclusion, Data Science Institute, Columbia University |
| 2021 | Senior Associate Dean for Curriculum Innovation and Academic Affairs, Columbia School of Social Work |
| 2022-present | Director, UxR Lab, Columbia University |
| 2022-present | Co-Director, AI4ALL Summer Program, Columbia University |
| 2022-present | Co-Director, Emerging Media, Technology, and Society Minor, Columbia University |
| 2022-present | Co-Founder and Co-Director, Justice, Equity, and Tech Lab, Columbia University |
| 2022-present | Founder and Co-Faculty Advisor, Action Lab, Columbia University |
| 2022-present | Founder and Director, SAFElab, Columbia University |

Other Appointments:

| 2020 | Visiting Scholar, Boston College School of Social Work |
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| 2020 | Visiting Researcher, Microsoft Research New England |
| 2022-present | Affiliate, Center for Complicated Grief, Columbia University School of Social Work |

Specialty Certification:

[none]

Licensure:

[none]

Awards, Honors and Membership in Honorary Societies:

| 2004 | Undergraduate Research Fellowship, University of North Carolina-Greensboro |
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| 2004 | Honors College Graduate, University of North Carolina-Greensboro |
| 2006 | Merit Scholar, University of Michigan |
| 2006 | Olivia P. Maynard Fellow, University of Michigan |
| 2006 | Education Pioneers Fellowship, University of Michigan |
| 2008 | Doctoral Theory Fellowship, University of Chicago |
| 2013 | Golden Apple Award Nominee (outstanding teaching), University of Michigan |
| 2013 | Michigan Road Scholars Awardee, University of Michigan |
| 2014 | Commencement Speaker, University of Michigan School of Social Work |
| 2016 | Certificate of Appreciation for Educators, Manhattan Borough President |
| 2018 | Obama Foundation Fellowship, Finalist |
| 2018 | Deborah K. Padgett Early Career Achievement Award, Society for Social Work and Research |

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| 2019 | Presidential Leadership Scholar |
| 2019 | Award, First Prize, Creative Technology, New York City Media Lab |
| 2019 | Fellow, Google Next Generation Policy Leaders |

Memberships in Professional and Scientific Societies and Other Professional Activities:

National:

2012-Present    National Association of Social Workers

2012-Present    Society for Research on Adolescence

2013-Present    Academy of Violence and Abuse

2019-Present    Society for Social Work and Research (Fellow, 2019)

2020-Present    Twitter (Member, Academic Advisory Board)

2021            American Association for the Advancement of Science (Member, Committee on Scientific Freedom and Responsibility, 2021)

2021-Present    Future of Work Working Group, Verizon (Member)

2022-Present    Axon, Community Advisory Coalition (Member)

2022-Present    Social Science Research Council (Member, Just Tech Advisory Council, 2022-Present)

2022-Present    Spotify Safety Advisory Council (Member)

Local:

2015-2017       Cure Violence, Chicago, IL. (Member, Advisory Committee)

2020-Present    Inner City Weightlifting, Boston, MA (Board Member)

2021-Present    Tech Policy Press, New York, NY (Board Member)

Editorial Positions:

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|---|---|
| 2012-Present | Ad hoc reviewer, Computers in Human Behavior |
| 2012-Present | Ad hoc reviewer, National Academies of Sciences, Engineering and Medicine |
| 2013-Present | Ad hoc reviewer, Journal of Black Psychology |
| 2013-Present | Ad hoc reviewer, Social Work |
| 2013-Present | Ad hoc reviewer, Violence and Victims |
| 2013-Present | Ad hoc reviewer, Journal of Orthopsychiatry |
| 2013-Present | Ad hoc reviewer, International Journal of Men's Health |

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| 2013-Present | Ad hoc reviewer, Journal of Health Psychology |
| 2013-Present | Ad hoc reviewer, Qualitative Health Research |
| 2013-Present | Ad hoc reviewer, City and Community |
| 2014-Present | Ad hoc reviewer, Criminology |
| 2014-Present | Ad hoc reviewer, Pediatrics |
| 2014-Present | Ad hoc reviewer, New Media and Society |
| 2014-Present | Ad hoc reviewer, Qualitative Social Work |
| 2015-Present | Ad hoc reviewer, Justice Quarterly |
| 2016 | Guest Editor, special issue of Journal of Men's Studies, Intersections of race, gender, and class in the wake of a crisis: The state of boys and men of color post-Ferguson. Vol. 24, no. 2. Co-edited with Daphne Watkins and Reuben Miller |
| 2017-Present | Ad hoc reviewer, Nature Partner Journal: Digital Medicine |
| 2018 | Editorial Board, book series AI for Social Good. Oxford University Press: Oxford, UK. |
| 2018-2019 | Editorial Board, Psychiatry and Mental Health. Plos One. |

## Academic and Institutional Committees:

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| 2012-2015 | Member, Multicultural and Gender Affairs Committee, School of Social Work, University of Michigan, |
| 2012-2015 | Faculty Affiliate, University of Michigan Injury Center |
| 2012-2015 | Faculty Affiliate, Youth Violence Prevention Center, University of Michigan School of Public Health |
| 2012-2015 | Faculty Affiliate, Detroit Urban Research Center, University of Michigan School of Public Health |
| 2013-2015 | Member, Student Relations Advisory Committee of the Faculty Senate Assembly, University of Michigan |
| 2015-Present | Member, Advisory Committee, Office of Sponsored Projects, School of Social Work, Columbia University |
| 2015-Present | Member, Advanced Generalist Practice and Programming Committee, School of Social Work, Columbia University |
| 2015-Present | Faculty Affiliate, Data Science Institute, Columbia University |
| 2015-Present | Faculty Affiliate, Social Intervention Group (SIG), Columbia University |
| 2015-Present | Member, Outcomes Committee, School of Social Work, Columbia University |
| 2015-2016 | Member, Task Force on Race, Diversity, and Inclusion, Office of University Life, Columbia University |
| 2016-Present | Member, Computational Social Science Working Group, Data Science Institute, Columbia University |

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| 2016-Present | Member, Faculty Search Committee, School of Social Work, Columbia University |
| 2019 | Fellow, Provost Leadership Fellows, Columbia University |
| 2020 | Member, AI4A Workshop Planning Committee, Microsoft Research New England |
| 2021-Present | Member, Provost Advisory Council for the Enhancement of Faculty Diversity, Columbia University |
| 2021-Present | Board Member, Columbia Center for Technology Management, Columbia University |
| 2022-Present | Co-Chair, Racial Equity Task Force, Data Science Institute, Columbia University |

Major Academic and Clinical Teaching Responsibilities:

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|---|---|
| 2011 | Course Instructor, Public School Systems and Service Populations, University of Chicago |
| 2012-2015 | Course Instructor, Social Work Practice with Children and Youth, University of Michigan |
| 2012-2015 | Course Instructor, Social Work Practice with Communities and Social Systems, University of Michigan |
| 2012 | Course Instructor, Injury and Public Health, Northwestern University |
| 2014-Present | PhD Committee Advisor, Adrian Gale, University of Michigan |
| 2014-Present | PhD Committee Advisor, Abigail Williams, University of Michigan |
| 2015-Present | Course Instructor, Advocacy, Columbia University |
| 2015-Present | Course Instructor, Contemporary Social Issues, Columbia University |
| 2018-2020 | Research Mentor, William Frey, PhD, School of Social Work, Columbia University |
| 2018 | Committee member, Laura Vargas, PhD, School of Social Work, Columbia University |
| 2019-Present | Research Mentor, Nathan Aguilar, PhD, School of Social Work, Columbia University |
| 2019 | Sponsor, Savannah Badalich, Masters in Human Rights, Columbia University |
| 2019 | Sponsor, Miriam McKinney, Masters in Quantitative Methods, Columbia University |
| 2019 | Second Reader, Michelle Silverman PhD, Teachers College, Columbia University |
| 2019-Present | Advisor, Aviv Landau, Postdoctoral Fellow, School of Social Work, Columbia University |
| 2020-Present | Course Instructor, Intro to Emerging Media, Technology, and Society, Columbia University |
| 2021-Present | PhD Committee Advisor, Angela Maronie, University of Washington |
| 2021-Present | Advisor, Henry Willis, Postdoctoral Fellow, School of Social Work, Columbia University |
| 2021-Present | Advisor, Siva Mathiyazhagan, Postdoctoral Fellow, School of Social |

|            | Work, Columbia University |
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| 2021-Present | Course Instructor, Design Justice / Human Centered Design, Columbia University |

Lectures by Invitation (Last 5 years):

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| Jan, 2017 | "Gang violence on the digital street: A case study of a southside Chicago gang member's Twitter communication." Society for Social Work and Research Annual Conference, New Orleans, LA. |
| Jan, 2017 | "Innovating gang violence prevention with qualitative analysis and natural language processing." 15th Annual Workshop: Interrogating the Intersections of Race, Crime and Technology. Rutgers University's Center for Law and Justice, Newark, NJ. |
| Jan, 2017 | "When Twitter fingers turn to trigger fingers. Kid Culture Keynote and Workshop." Center for Integrated Arts Education, University of Northern Colorado, Greeley, CO. |
| Jan, 2017 | "Sticks, stones and Facebook accounts: What violence outreach workers know about social media and urban-based gang violence in Chicago." Society for Social Work and Research Annual Conference, New Orleans, LA. |
| Jan, 2017 | "Human-centered design and storytelling for gang violence prevention." Microsoft Hackathon, Redmond, WA. |
| Feb, 2017 | "Innovating gang violence prevention (Keynote Speaker)." University of Alabama School of Social Work, Tuscaloosa, AL. |
| Mar, 2017 | "Social media and gang violence prevention (Keynote Speaker)." Boston Design Museum, Boston, MA. |
| Mar, 2017 | "They are children: How posts on social media lead to gang violence." TEDxBroadway 2017, New York, NY. |
| Mar, 2017 | "Roots of trauma." Grand Rounds Presentation. New York Presbyterian Hospital/Westchester, White Plains, NY. |
| Apr, 2017 | "Twitter and gang violence prevention." Center for Artificial Intelligence and Society. University of Southern California, Los Angeles, CA. |
| Apr, 2017 | "Innovating gang violence prevention (Keynote Speaker)." Computational Research Day. Northwestern University, Chicago, IL. |
| May, 2017 | "Innovating gang violence prevention." Munk School of Global Affairs. University of Toronto, Toronto, Ontario. |
| Jun, 2017 | "Grief, aggression, and violence prevention. Harmful Speech Online: At the Intersection of Algorithms and Human Behavior." Harvard University, Cambridge, MA. |
| Aug, 2017 | "Social media and gang violence." Digital Mental Health Conference, London, England. |
| Aug, 2017 | "Innovating gang violence prevention with qualitative analysis and natural language processing." University of Chicago Urban Labs, Crime Lab, Chicago, IL. |
| Sep, 2017 | "Transdisciplinary gang violence prevention. Community Health |

|  | Sciences: Defining the Field." Boston University's School of Public Health Symposium, Boston, MA. |
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| Oct, 2017 | "Grieving on the digital street. AI for Social Good: Setting the Agenda." University of Southern California's Center for Artificial Intelligence in Society, Los Angeles, CA. |
| Oct, 2017 | "Gang violence intervention work in the SAFElab." Dean's Lecture. University of Texas-Austin School of Social Work, Austin, TX. |
| Oct, 2017 | "Innovating gang violence prevention." Workshop: Social Media, Mobile Technology, and Youth Risk Behaviors. National Institutes of Health (NIH) Office of Behavioral and Social Sciences Research, Washington, DC. |
| Nov, 2017 | "When Twitter fingers turn to trigger fingers." 2017 Bicentennial Symposium, University of Michigan Institute for Social Research, Ann Arbor, MI. |
| Dec, 2017 | "Identifying signals of violent content on social media." Webinar. Teen Cancer Research Conference, Atlanta, GA. |
| Dec, 2017 | "When twitter fingers turn to trigger fingers: using qualitative analysis and natural language processing to prevent social media-related gang violence." Race, Politics, and Social Media: A Symposium, Boston University, Boston, MA. |
| Jan, 2018 | "Digital urban violence analysis approach." Society for Social Work and Research Annual Conference, Washington, DC. |
| Feb, 2018 | "Violence on the digital street: Intervening in aggression and loss using qualitative analysis and machine learning." Center for Research on Computation and Society, Harvard University, Cambridge, MA. |
| Mar, 2018 | "Community-based approaches to detecting and predicting trauma and violence in Chicago using social media." Columbia Population Research Center, Columbia University, New York, NY. |
| Apr, 2018 | "Innovating gang violence prevention with qualitative analysis, natural language processing, & computer vision." University of Missouri, St. Louis, MO. |
| Apr, 2018 | "Interpretation of social media data and ethical considerations." The Berkman Klein Center for Internet & Society, Harvard University, Cambridge, MA. |
| May, 2018 | "Contextual analysis of social media a qualitative approach to eliciting context in social media posts with natural language processing." Society for Prevention Research, Washington, D.C. |
| May, 2018 | "New frontiers for artificial intelligence in psychiatry: From personalized health to community care." American Psychiatric Association Annual Meeting, New York, NY. |
| Oct, 2018 | "Community data science approaches to gang violence." NYU Child Study Center-Grand Rounds, New York University, New York, NY. |
| Oct, 2018 | "Social media as a new mechanism for mass incarceration." Symposium on the Law & Economics of Criminal Justice Reform, George Mason Antonin Scalia Law School, Fairfax, VA. |

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| Nov, 2018 | "Community data science approaches to gang violence." PRYDE, Department of Human Development, Cornell University, Ithaca, NY. |
| Nov, 2018 | "Community data science approaches to gang violence." School of Information Science, Cornell University, Ithaca, NY. |
| Dec, 2018 | "Community data science approaches to gang violence." Brown Bag for the Connective Media Group, Cornell Tech, New York, NY. |
| Dec, 2018 | "Can AI Reduce Gang Violence or Cause More Harm." The National Academies Roundtable on Data Science Secondary Education. Washington, DC. |
| Jan, 2019 | "Accommodating grief on Twitter." Society for Social Work and Research Annual Conference, San Francisco, CA. |
| Mar, 2019 | "Community Data Science Approaches to Gang Violence Prevention." University of Buffalo School of Social Work. Buffalo, NY |
| Mar, 2019 | "Analyzing Context in Social Media Posts." Data and Society. New York, NY. |
| Apr, 2019 | "Designing Contextually Drive AI Systems for Gun Violence Prevention with Chicago Youth." Harvard Kennedy School. Cambridge, MA |
| May, 2019 | "Community Data Science Approaches to Gang Violence Prevention." University of Illinois, Urban Champaign, School of Social Work, Urbana, IL |
| Oct, 2019 | "Building a Healthier Social Media Ecosystem." University of Wisconsin, Madison, WI |
| Oct, 2019 | "Community Data Science Approaches to Gun Violence Prevention." University of California School of Information. Berkeley, CA |
| Oct, 2019 | "Developing Empathetic Tech with Community of Color for Gun Violence Prevention." 2019 Tripodi Lecture. University of California School of Social Welfare. Los Angeles, CA |
| Nov, 2019 | "Community Data Science Approaches to Gun Violence Prevention." New York University School of Social Work. New York, NY |
| Jan, 2020 | "Social Work and the Future of Policing." Congressional Briefing. Virtual. |
| Feb, 2020 | "Contextual Analysis of Social Media." Massachusetts Institute of Technology Department of Comparative Media Studies. Cambridge, MA |
| Mar, 2020 | "Can AI solve gun violence or is it part of the problem?" Carr Center for Human Rights. Harvard Kennedy School. Cambridge, MA |
| Apr, 2020 | "Bridging the Digital Divide During Covid-19." Manhattan Borough President's Office, Virtual |
| Apr, 2020 | "Social Work and Emerging Technology, AI and Virtual Reality (Keynote)." National Association of Social Workers, Virtual. |
| Apr, 2020 | "Confronting Racial Bias in Social Media Data and AI tools against |

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|  | Gun Violence." University of Pittsburg Center on Race and Social Problems. Pittsburg, PA |
| Aug, 2020 | "AI for Innovative Social Work." Alan Turing Institute. Virtual |
| Oct, 2020 | "Doctoral Education in Social Work." University of Chicago School of Social Service Administration. Chicago, IL |
| Oct, 2020 | "National Social Work Teach-In." #SWEduActs. Virtual |
| Jan, 2021 | "Social Work Research and Technology: Leveraging AI, Topic Modeling and Community Based Research for Research on Human Services, Violence and Grief." Society for Social Work and Research 25th Annual Conference. Virtual |
| Mar, 2021 | "Confronting Race in Data Science." Harvard Data Science Initiative, Cambridge, MA |
| May, 2021 | "Bias in AI: Why it's a problem and what should be done about it." Barnard College, New York, NY |
| Nov, 2021 | "Community Data Science Approaches for Gang Violence Prevention." Spotify |
| Nov, 2021 | "AI for Innovative Social Work." Twitter |
| Nov, 2021 | "Developing Empathetic Tech with Community of Color for Gun Violence For Gun Violence Prevention: A Social Work Approach." New York University Silver School of Social Work, New York, NY |
| Nov, 2021 | "The Promise and Ethical Challenge of Using AI for Gang Violence Prevention." The University of Virginia, Charlottesville, VA |
| Jan, 2022 | "Algorithms, Bias and Fairness." Society for Social Work and Research 26th Annual Conference. Washington, DC |

Organizing Roles in Scientific Meetings:
> [none]

Bibliography:
> Research Publications, peer reviewed (print or other media):

1. Roderick, M., Nagaoka, J., Moeller, E; with Roddie, K., Gilliam, J., & Patton, D.U.: From high school to the future. Consortium on Chicago School Research. March 2008.

2. Patton, D.U., & Johnson, D.W.: Exposure to community violence and social capital: African American students in the critical transition to high school. Harvard Journal of African American Public Policy 16: 53-72, January 2010.

3. Imai, R., Patton, D.U., Rodkin, J., & Small, M.: Qualitative evaluation of the CPS 2010- 2011 Mentor and Advocacy Program. Chicago Public Schools. 2011.

4. Patton, D.U.: Listening sessions final report. Children's Memorial Hospital. 2011.

5. Patton, D.U.: Evaluation of safe passage in Chicago. Children's Memorial Hospital. 2012.

6. Patton, D.U., Woolley, M.E., & Hong, J.S.: Exposure to violence, student fear, and low academic achievement: African American males in the critical transition to high school. Children and Youth Service Review 34(2): 388-395, 2012 Notes: DOI: 10.1016/j.childyouth.2011.11.009.

7. Patton, D.U, Eschmann, R.D. & Butler, D.A.: Internet banging: New trends in social media, gang violence, masculinity and hip hop. Computers in Human Behavior 29(5): A54-A59, 2013 Notes: DOI: 10.1016/j.chb.2012.12.035.

8. Patton, D.U., & Miller, R.J.: Examining the relationship between adolescent violence exposure and adulthood violence perpetration among urban Black and African American men. Academy of Violence and Abuse Research Review 5: 1-4, February 2015.

9. Miller, R., Miller, J., Djoric, J., & Patton, D. U.: Baldwin's mill: Race, punishment, and the pedagogy of repression, 1965-2015. Humanity and Society 39(4): 456-475, 2015 Notes: DOI: 10.1177/0160597615609188.

10. Miller, R.J., Patton, D.U., & Williams, E.: Rethinking prisoner reentry. Offender Program Reports 19(1): 1-4, 2015.

11. Patton, D.U., Sanchez. N., Fitch, D., Macbeth, J., & Leonard, P.: I know God's got a day 4 me: Violence, trauma and coping among gang-involved Twitter users. Social Science Computer Review 35(2): 226-243, 2015 Notes: DOI: 10.1177/0894439315613319.

12. Patton, D.U*., & Roth, B*.: Good kids with ties to deviant peers: Network strategies used by African American and Latino young men in violent neighborhoods. Children and Youth Service Review 66: 123-130, July 2016 Notes: * denotes equal authorship
DOI: 10.1016/j.childyouth.2016.04.020.

13. Blevins, T., Kwitakowski, R., Macbeth, J., McKeown, K., Patton, D.U., & Rambow, O.: Automatically processing tweets from gang-involved youth: Towards detecting loss and aggression. Proceedings of COLING 2016, the 26th International Conference on Computational Linguistics: Technical Papers Page: 2196-2206, 2016 Notes: Authors are in alphabetical order.

14. Hong, J.S., Lee, J., Espelage, D.L., Hunter, S.C., Patton, D.U., & Rivers, Jr., T.: Understanding the correlates of face-to-face and cyberbullying victimization among U.S. adolescents: A social-ecological analysis. Violence and Victims 31(4): 638-663, 2016.

15. Patton, D.U., Eschmann, R.D., Elsaesser, C., & Bocanegra, E.: Sticks, stones and Facebook accounts: What violence outreach workers know about social media and urban-based gang violence in Chicago. Computers in Human Behavior 65:

591-600, December 2016 Notes: DOI:10.1016/j.chb.2016.05.052.

16. Patton, D.U., Leonard, P., Cahill, L., Macbeth, J., Crosby, S., & Brunton, D.: "Police took my homie I dedicate my life 2 his revenge": Twitter tensions between gang-involved youth and police in Chicago. Journal of Human Behavior in the Social Environment 26(3-4): 310-324, 2016 Notes: DOI: 10.1080/10911359.2015.1127738.

17. Patton, D.U., Leonard, P., Lane, J., & Macbeth, J.: Gang violence on the digital street: A case study of a South Side Chicago gang member's Twitter communication. New Media and Society 19(7): 1000-1018, 2016 Notes: New Media and Society's most-read article in February 2016DOI: 10.1177/1461444815625949.

18. Patton, D.U., McKeown, K., Rambow, O., & MacBeth, J.: Using natural language processing and qualitative analysis to intervene in gang violence: A collaboration between a social work researcher and data scientist. Proceedings of the Second Annual Data for Good Exchange Conference. 2016.

19. Patton, D.U., Miller, R.J., Garbarino, J., Gale, A., & Kornfeld, E.: Hardiness scripts: High-achieving African American boys in a Chicago charter school navigating community violence and school. Journal of Community Psychology. 44(5): 638-655, 2016 Notes: DOI:10.1002/jcop.21791.

20. Smith, J.R., & Patton, D.U.: Posttraumatic stress symptoms in context: Examining trauma responses to violent exposures and homicide death among Black males in urban neighborhoods. Journal of Orthopsychiatry 86(2): 212-223, 2016 Notes: DOI: 10.1037/ort0000101.

21. Patton, D.U., Brunton, D., Dixon, A., Hackman, R.J., & Miller R.: Stop and frisk online: Theorizing everyday racism in digital policing in the use of social media for the identification of criminal conduct and associations. Social Media + Society. 3(3): 2056305117733344, 2017 Notes: DOI: 10.1177/2056305117733344.

22. Patton, D.U., Dungy, L., Hong, J.S., & Leonard, P.: Gang violence, crime and substance use on Twitter: A snapshot of gang communications in Detroit. Violence and Victims. 32(5): 919-934, 2017 Notes: DOI: 10.191/0886-6708 VV D-16-00040.

23. Blandfort, P., Hees, J., Patton, D.U.: An overview of computational approaches for interpretation analysis. arXiv 2018 Notes: preprint arXiv:1811.04028.

24. Chang, S**., Varia, S., Lee, Fei-Tzin., Kedzie, C., Patton, D.U., Frey, W. McKeown, K.: Detecting gang-involved escalation on social media using context. 18' Proceedings of the Conference on Empirical Methods in Natural Language Processing. 2018 Notes: ** denotes trainee/mentee10% acceptance rate.

25. Frey, W**. Patton, D.U., Gaskell, M., McGregor, K.: Artificial intelligence and inclusion: Formerly gang-involved youth as domain experts for analyzing unstructured Twitter data. <u>Social Science Computer Review.</u> 38(1): 42-56, 2018 Notes: ** denotes trainee/mentee
Awarded *Abstract with Distinction* from the Society for Prevention Research.

26. Hollingsworth, L.D., Patton, D.U., Allen, P.C., & Bryant, K.E.: Racial microaggressions in social work education: Black students' encounters in a predominantly White institution. <u>Journal of Ethnic and Cultural Diversity in Social Work.</u> 27(1): 95-105, 2018 Notes: DOI: 10.1080/15313204.2017.1417942.

27. Patton, D.U., Macbeth, J., Shoenbeck, S., Shear, K., McKeown, K.: Accommodating grief on Twitter: An analysis of expressions of grief among gang involved youth on Twitter using qualitative analysis and natural language processing. <u>Biomedical Informatics Insights.</u> 3(10): 1178222618763155, 2018 Notes: DOI: 10.117/117222618763155.

28. Patton, D.U., McGregor, K., & Slutkin, G.: Youth violence prevention in a digital era. <u>Pediatrics.</u> 141(4): e20172438. 2018 Notes: DOI: 10.1542/peds.2017-2438.

29. Patton, D.U., Rambow, O., Auerbach, J., Li, K., & Frey, W.: Expressions of loss predict aggressive comments on Twitter among gang involved youth in Chicago. <u>Nature Partner Journal: Digital Medicine.</u> 1(11): 1-2, 2018 Notes: DOI: 10.1038/s4176-018-0020.

30. Tan, K., Patton, D.U., & Cordova, D.: School factors and adolescent substance abuse: Are there differences by population density? <u>Journal of Social Work Practice in the Addictions</u> 18(2): 153-167, 2018 Notes: DOI: 10.1080/1533256X.2018.1450263.

31. Blandfort,P., Patton, D.U., Bhargava, S., Chang, Shih-Fu.,., Frey, W., , Gaskell, M., Karaman, S., Schifanella, R., McKeown, K., Chang, S.: Multimodal detection of aggression, loss and substance use in tweets of Chicago gang members. <u>MM '18 Proceedings of the 2018 ACM on Multimedia Conference.</u> 2019.

32. Crosby, S.**, Patton, D.U., Duncan, D., Smith Lee, J.: Framing neighborhood safety and academic success: Perspectives from high-achieving black youth in Chicago. <u>Children, Youth and Environments.</u> 29(1): 1-19, 2019 Notes: ** denotes trainee/mentee.

33. Patton, D.U., Blandfort, P., Frey, W., Gaskell, M., Karaman, S: Annotating social media data from vulnerable populations: Evaluation disagreement between domain experts and graduate student annotators. <u>In the Proceedings of the Hawaii International Conference on Systems Science52.</u> 2019.

34. Patton, D.U., Frey, W., Gaskell, M.: Guns on social media: Complex interpretations of gun images by Chicago youth. <u>Nature, Palgrave Communications</u> 5(1): 1-8, 2019.

35. Patton, D.U., Leonard, P., Eschmann, R.D., Patel, S., Elsaesser, C., & Crosby, S.: What's a threat on social media? How Black and Latino young men in Chicago navigate threats online. <u>Youth & Society.</u> 51(6): 756-772, 2019 Notes: DOI: 10.1177/0044118X177yout20325.

36. Patton, D.U., Pyooz, D., Decker, S., Leonard, P., & Frey, W.: When Twitter fingers turn to trigger fingers: A sociolinguistic study of internet-mediated gang violence. <u>International Journal of Bullying Prevention.</u> 1: 205-217, 2019.

37. Patton, D.U., Sodhi, A., Lee, J., Affinati, S., & Crandall, M.: Post-discharge needs of victims of gun violence in Chicago: A qualitative study. <u>Journal of Interpersonal Violence</u> 34(1): 135-155, 2019 Notes: DOI: 10.1177/0886260516669545.

38. Patton, D.U., Frey, W., McGregor, K., Lee, F., McKeown, K.: Contextual analysis of social media: A qualitative approach to eliciting context in social media posts with natural language processing. <u>Proceedings of the 2020 AAAI/ACM Conferences on AI, Ethics and Society.</u> 2020: 337-342, February 2020.

39. Patton, D.U., Blandfort, P., Frey, W., Schifanella, R., McGregor, K., Chang, S.F.: VATAS: An open-source web platform for visual and textual analysis of social media. <u>Journal of the Society for Social Work and Research.</u> 11(1): 133-155, 2020.

40. Zhong, R**., Chen, Y., Patton.D.U., Sealous, C., McKeown, K.: Detecting and reducing bias in a high stake domain. <u>20' Proceedings of the Conference on Empirical Methods in Natural Language Processing.</u> 2020 Notes: ** denotes trainee/mentee23% acceptance rate.

41. Anguiano, K. ,Darkwa, E., Patton, D.U.: Recommendations to end 21st century online "stop and frisk" policing. <u>Tech Policy Press.</u> March 2021.

42. Mathiyazhagan, S, Kleiner, S., Patton, D.U.: Social work in data science: Tech policy gaps and addressing harm. <u>Tech Policy Press.</u> March 2021.

43. Boxer, P., Brunson, R., Harden-Gaylor, N., Kahn, K., Patton, D.U., Richardson, J., Rivera, L, Smith-Lee, J., Staller, M.: Addressing the inappropriate use of force by police in the United States and beyond: A behavioral and social science perspective. <u>Aggressive Behavior.</u> 47(5): 502-512, 2021.

44. Elsaesser, C., Patton, D.U., Kelley, A., Santiago, J., Clarke, A.: Avoiding fights on social media: Strategies youth leverage to navigate conflict in a digital era. <u>Journal of Community Psychology.</u> 49(3): 806-821, 2021.

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