

BRYCE GARRETH WESTLAKE

Location: Bay Area, California | Email: Bryce.Westlake@adelaide.edu.au | Tel: +1 669-237-6592

PROFESSIONAL PROFILE

An internationally recognized authority with over **20 years of established expertise** in the detection, distribution, and prevention of child sexual abuse material (CSAM). I have authored more than **20 peer-reviewed articles** in top-tier forensic and behavioral science publications, co-founded the global Child Sexual Abuse Reduction Research Network (CSARRN), and served as a **scientific referee** for over 20 academic journals. I have a proven track record of delivering high-level technical briefings to the **United Nations**, global technology leaders, and international financial coalitions. My work focuses on synthesizing sensitive digital forensic and behavioral data into **scientifically defensible** findings that are ethically sound, operationally viable, and meet the rigorous requirements of legal testimony. By bridging the gap between advanced statistical modeling and judicial standards, I ensure that all evidence and testimony provided are based on methodologies **universally accepted within the scientific community** and are operationally viable for criminal and civil litigation.

EDUCATION & CREDENTIALS

08/2015	Doctorate of Philosophy (Criminology) Simon Fraser University <i>Dissertation: The criminal career evolution of child exploitation websites: Identification, survival, and community patterns</i>
04/2011	Masters of Arts (Criminology) Simon Fraser University <i>Thesis: Analyzing online child exploitation networks: An examination of severity and connectivity</i>
05/2007	Bachelor of Arts (Psychology/Sociology) University of British Columbia

ACADEMIC APPOINTMENTS

01/2026 – Present	School of Society and Culture (Adelaide University), Adjunct Associate Professor
08/2020 – 08/2025	Department of Justice Studies (San Jose State University), Associate Professor
08/2015 – 08/2020	Department of Justice Studies (San Jose State University), Assistant Professor

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AREAS OF SPECIALIZED EXPERTISE

- Online Child Safety & Exploitation: Deep specialization in the distribution, detection, and behavioral dynamics of child sexual abuse material (CSAM).
- Behavioral Criminology & Cybercrime: Expert analysis of deviant behavioral patterns, high-risk digital environments, and paraphilic interests (including BDSM/Kink studies).
- Digital Forensics & Social Network Analysis: Forensic technical analysis of digital evidence and the structural mapping of online criminal networks.

PROFESSIONAL STATURE & ADVISORY

- Global Advisory: Provided technical briefings and strategic subject matter expertise to the United Nations, global technology leaders, and international financial coalitions.
- International Research Network Co-Founder (CSARRN): Orchestrated global cross-functional collaborations between academic researchers, technology leaders, government stakeholders, and law enforcement to standardize CSAM detection and prevention protocols; manage international conference logistics and strategic research initiatives.
- Expert Testimony & Knowledge Translation: Adept at translating advanced statistical modeling and technical forensic findings into accessible, actionable insights for judicial bodies, executive stakeholders, and non-scientific audiences. Skilled in bridging the gap between high-sensitivity behavioral data and the practical requirements of risk mitigation and strategic policy development.
- Scientific Referee & Peer Reviewer: Chosen by editorial boards at 20+ leading international journals in criminology, forensic science, computer science, and behavioral analysis to review and evaluate the methodological rigor, statistical validity, and ethical compliance of emerging research in high-stakes behavioral fields.

SELECT RELATED PUBLICATIONS AND PRESENTATIONS

- Brewer, R., Swearingen, T., Westlake, B., & Patterson, S. (in press). Modelling the convergence of victims, offenders and media files in child sexual abuse investigations: A method for directing workflows using biometrics and core-periphery analysis. *Trends and Issues in Crime and Criminal Justice*.
- Westlake, B., Brewer, R., Toole, K., Daly, T., Swearingen, T., Fletcher, S., Ucci, F., & Logos, K. (2024). Benefits and risks of implementing cloud-based technology for child sexual abuse investigations in Australia. *Trends and Issues in Crime and Criminal Justice*, 699, 1-18. <https://doi.org/10.52922/ti77550>
- Westlake, B. G., & Brewer, R. (2024, September 10). *Revolutionizing Data Management: AI and Oracle Autonomous Database* [Oral Presentation]. Oracle CloudWorld 2024, Las Vegas, Nevada.
- Brewer, R., & Westlake, B. G. (2024, April 10). *University of Adelaide and San Jose State University cybercrime researchers leverage Oracle Autonomous Database to help investigators combat child exploitation* [Oral Presentation]. Oracle Data and AI Forum, Sydney, Australia
- Logos, K., Brewer, R., Langos, C., & Westlake, B. (2023). Establishing a framework for the ethical and legal use of web scrapers by cybercrime and cybersecurity researchers: Learnings from a systematic review of Australian research. *International Journal of Law and Information Technology*, 31(3), 186-212. <https://doi.org/10.1093/ijlit/eaad023>
- Westlake, B., & Guerra, E. (2023). Using file and folder naming and structuring to improve automated detection of child sexual abuse images on the Dark Web. *Forensic Science International: Digital Investigation*, 47(December), 301620. <https://doi.org/10.1016/j.fsidi.2023.301620>
- Brewer, R., Westlake, B., Swearingen, T., Patterson, S., Bright, D., Ross, A., Logos, K., & Michalski, D. (2023). Advancing child sexual abuse investigations using biometrics and social network analysis. *Trends and Issues in Crime and Criminal Justice*, 668, 1-16. <https://doi.org/10.52922/ti78948>
- Westlake, B. G., & Brewer, R. (2023, November 9). *Identifying key victims and offenders in child sexual abuse media files using voice and facial recognition within a social network analysis framework* [Oral Presentation]. Asia-Pacific Financial Coalition Against Child Sexual Exploitation, Virtual.
- Westlake, B. (2023). The current and emerging landscape of child pornography on the internet: An overview guide for US Prosecutors in a courtroom setting. *Zero Abuse Project*. St. Paul, Minnesota. [Technical Report]
- Westlake, B. G., & Brewer, R. (2022, July 20). *Advancing child sexual abuse investigations using biometrics and social network analysis* [Oral Presentation]. Asia-Pacific Financial Coalition Against Child Sexual Exploitation, Virtual.
- Westlake, B. G., & Brewer, R. (2022, May 16). *Facial and voice recognition tool to identify victims and perpetrators in CSAM* [Oral Presentation]. 31st Session of the Commission on Crime Prevention and Criminal Justice (United Nations), Vienna Austria. <https://youtu.be/g5E96XxiT-o?t=5222>
- Westlake, B., Brewer, R., Swearingen, T., Ross, A., Patterson, S., Michalski, D., Hole, M., Logos, K., Frank, R., Bright, D., & Afana, E. (2022). Developing automated methods to detect and match face and voice biometrics in child sexual abuse videos. *Trends and Issues in Crime and Criminal Justice*, 648, 1-15. <https://doi.org/10.52922/ti78566>
- Guerra, E., & Westlake, B. G. (2021). Detecting child sexual abuse images: Traits of child sexual exploitation hosting and displaying websites. *Child Abuse & Neglect*, 122, 105336. <https://doi.org/10.1016/j.chiabu.2021.105336>

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- Brewer, R., & Westlake, B. G. (2021, June 3). *Using automated audio and facial recognition biometrics tools for detecting child sexual abuse material* [Oral Presentation]. Asia-Pacific Financial Coalition Against Child Sexual Exploitation, Virtual.
- Brewer, R., Westlake, B., Hart, T., & Arauza, O. (2021). The ethics of web crawling and web scraping in criminological research: Navigating issues of consent, privacy and other potential harms associated with automated data collection. In A. Lavorgna & T. Holt (Eds.), *Researching cybercrimes* (pp.435-456). Palgrave Macmillan: Cham. https://doi.org/10.1007/978-3-030-74837-1_22
- Westlake, B. G. (2020). The past, present, and future of online child sexual exploitation: Summarizing the evolution of production, distribution, and detection. In T. Holt & A. Bossler (Eds.), *The Palgrave handbook of international cybercrime and cyberdeviance* (pp.1225-1253). Palgrave Macmillan: Cham. https://doi.org/10.1007/978-3-319-78440-3_52
- Westlake, B. G. (2018). Delineating victims from perpetrators: Prosecuting self-produced child pornography in Youth Criminal Justice Systems. *International Journal of Cyber Criminology*, 12(1), 255-268. <https://doi.org/10.5281/zenodo.1467907>
- Westlake, B. G., Bouchard, M., & Frank, R. (2017). Assessing the validity of automated web crawlers as data collection tools to investigate online child sexual exploitation. *Sexual Abuse: A Journal of Research and Treatment*, 29(7), 685-708. <https://doi.org/10.1177/1079063215616818>
- Westlake, B. G., Bouchard, M., & Girodat, A. (2017). How obvious is it: The content of child sexual exploitation websites. *Deviant Behavior*, 38(3), 282-293. <https://doi.org/10.1080/01639625.2016.1197001>
- Westlake, B. G., & Bouchard, M. (2016). Liking and hyperlinking: Examining reciprocity and diversity in online child exploitation network communities. *Social Science Research*, 59(September), 23-36. <https://doi.org/10.1016/j.ssresearch.2016.04.010>
- Westlake, B. G., & Bouchard, M. (2016). Criminal careers in cyberspace: Examining website failure within child exploitation networks. *Justice Quarterly*, 33(7), 1154-1181. <https://doi.org/10.1080/07418825.2015.1046393>

PROFESSIONAL AFFILIATIONS

2023 – Present	Co-Founder, Child Sexual Abuse Reduction Research Network
2015 – Present	Audio Committee Member, Scientific Working Group on Digital Evidence
2020 – 2025	Member, Division of Cybercrime , American Society of Criminology
2010 – 2025	Member, American Society of Criminology

JOURNAL & GRANT PEER REVIEWER

Aggression and Violent Behavior (1); Applied Sciences (2); Archives of Sexual Behavior (1); Child Abuse & Neglect (1); Child Maltreatment (5); Computers in Human Behavior (2); Crime Science (2); Deviant Behavior (1); Digital Transformation and Society (1); Global Crime (3); International Journal of Cyber Criminology (6); International Journal of Environmental Research and Public Health (1); International Journal of Offender Therapy and Comparative Criminology (7); Journal of Child Sexual Abuse (3); Journal of Criminology (1); Journal of Homosexuality (1); Policing: An International Journal of Police Strategies and Management (1); Sexual Abuse: A Journal of Research and Treatment (8); Social Science Computer Review (1); Social Science Research (3); Trends and Issues in Crime and Criminal Justice (3); Secure and Trustworthy Cyberspace – National Science Foundation (9 Submissions)