

BRYCE GARRETH WESTLAKE, PhD

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

Dr. Westlake is an internationally recognized criminologist and online child safety authority with 15+ years of expertise in the detection, behavioral profiling, and prevention of child sexual abuse material (CSAM). He specializes in translating complex digital forensic and statistical data into scientifically defensible findings that meet rigorous judicial standards. Available nationwide for criminal and civil litigation consulting, expert reports, depositions, and trial testimony for plaintiff, defense, and institutional clients.

AREAS OF SPECIALIZED EXPERTISE

- **Online Child Safety & Exploitation:** Deep specialization in the distribution, detection, and behavioral dynamics of child sexual abuse material, content moderation, and platform trust and safety policies and standards.
- **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.
- **Technical Evidence Analysis:** Translation of complex digital forensic results into scientifically defensible expert reports and testimony for civil case (e.g., META vs State of New Mexico).
- **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.
- [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; managed international conference logistics and strategic research initiatives.
- **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.
- **Institutional Review Board Member:** Mastery of the review of human-subject research protocols, primary data collection, and ethical IRB-compliant study design.

ACADEMIC & PROFESSIONAL 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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EDUCATION & CREDENTIALS

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

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>
- 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.

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- 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>
- 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