

BRYCE GARRETH WESTLAKE

Department of Justice Studies | San Jose State University | One Washington Square, San Jose, CA, 95192-0050
210B Health Building | Bryce.Westlake@sjsu.edu | Tel: +1 408-924-2743

EDUCATION

- 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

ACADEMIC APPOINTMENTS

- 08/2020 – Present Department of Justice Studies (San Jose State University), **Associate Professor**
- *Early tenure and promotion*
- 08/2015 – 08/2020 Department of Justice Studies (San Jose State University), **Assistant Professor**

RESEARCH INTERESTS

Online Sex Crimes (child abuse, child exploitation, self-exploitation, revenge, tourism, and trafficking), Digital Forensics (biometrics and media integrity), BDSM and the Law, Social Network Analysis, Cybercrime.

PUBLICATIONS, PRESENTATIONS, AND POSTERS (*Denotes with Student)

PEER REVIEWED JOURNAL ARTICLES

- *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>
- *Epstein, B., & Westlake, B. G. (2019). Determination of vehicle speed from recorded video using reverse projection photogrammetry and file metadata. *Journal of Forensic Sciences*, 64(5), 1523-1529. <https://doi.org/10.1111/1556-4029.14053>.
- 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>.

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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>.

Paulhus, D. L., Westlake, B. G., Calvez, S. S., & Harms, P. D. (2013). Self-presentation style in job interviews: The role of personality and culture. *Journal of Applied Social Psychology*, 43(10), 2042-2059. <https://doi.org/10.1111/jasp.12157>.

Westlake, B. G., Bouchard, M., & Frank, R. (2011). Finding the key players in online child exploitation networks. *Policy and Internet*, 3(2), Article 6. <https://doi.org/10.2202/1944-2866.1126>.

PEER REVIEWED CONFERENCE PROCEEDINGS

*Lin, H. Y., Moh, T. S., & Westlake, B. (2021, December). Gun violence news information retrieval using BERT as sequencing tagging task. In *2021 IEEE International Conference on Big Data*. Orlando, USA, 15-18 December (pp. 2525-2531). IEEE. <https://doi.org/10.1109/BigData52589.2021.9671919>

Westlake, B. G., Bouchard, M., & Frank, R. (2012, September). Comparing methods for detecting child exploitation content online. In *2012 European Intelligence and Security Informatics Conference*. Odense, Denmark, 22-24 August (pp. 156-163). IEEE. <https://doi.org/10.1109/EISIC.2012.25>

Joffres, K., Bouchard, M., Frank, R., & Westlake, B. G. (2011, October). Strategies to disrupt online child pornography networks. In *2011 European Intelligence and Security Informatics Conference*. Athens, Greece, 12-14 September (pp. 163-170). IEEE. <https://doi.org/10.1109/EISIC.2011.32>

Frank, R., Westlake, B. G., & Bouchard, M. (2010, August). The structure and content of online child exploitation. In *ISI-KDD '10 ACM SIGKDD Workshop on Intelligence and Security Informatics*, Washington, USA, 25-28 July (Article 3). ACM. <https://doi.org/10.1145/1938606.1938609>

BOOK CHAPTERS

*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*. Palgrave Macmillian, 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 Macmillian, Cham. https://doi.org/10.1007/978-3-319-78440-3_52.

Westlake, B. G., & Frank, R. (2016). Seeing the forest through the trees: Identifying key players in online child sexual exploitation distribution networks. In T. Holt (Ed.), *Cybercrime through an interdisciplinary lens* (pp.189-209). New York: Routledge. <https://doi.org/10.4324/9781315618456>.

Bouchard, M., & Westlake, B. (2016). La détection de communautés au sein de réseaux criminels en ligne et ses implications pour les recherches en co-délinquance. In R. Boivin & C. Morselli (Eds.), *Les réseaux criminels*. Montreal: Les Presses de l'Université de Montréal.

POLICY PAPERS

*Westlake, B. G., & Soliman, A. (2018, December). San Benito County Sheriff's Office Strengthening Families Program evaluation. *San Benito County Sheriff's Office*. Hollister, California.

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INVITED COLLOQUIA

- Westlake, B. G., & Brewer, R. (2022, May). Facial and voice recognition tool to identify victims and perpetrators in CSAM. Invited presentation given at *31st Session of the Commission on Crime Prevention and Criminal Justice (United Nations)*, Vienna Austria.
- Westlake, B. G., & Brewer, R. (2022, February). Developing tools to detect and combat sexual abuse. Invited presentation given at *The Stretton Institute Webinar & Australian Institute of Criminology*, Adelaide, Australia.
- Westlake, B. G., & Brewer, R. (2021, June). Developing automated methods to detect, match and analyse child sexual abuse videos using face and voice biometrics. Invited presentation given at the *The Cybersecurity Revolution 2021*, for Using Automated Methods to Detect, Analyse, and Investigate Cybercrime, Adelaide, Australia.
- Westlake, B. G., & Alder, L. (2019, April). Could Sex in VR be Exploitative? What is the potential for queering virtual bodies? Invited presentation given at the *CFP: Gender, Bodies, & Technology 5th Transdisciplinary Conference*, for Playing with Our Selves: Examining Life through Virtual Media Part II, Roanoke, VA.
- Westlake, B. G. (2016, November). Operation Child Pornography: How Organized is the Distribution of Child Sexual Exploitation Material? Invited presentation given at the *American Society of Criminology Conference*, for the International Association for the Study of Organized Crime, New Orleans, LA.
- Westlake, B. G. (2016, November). Roundtable: Understanding the State of Research on Organized Cybercrime? Invited discussant at the *American Society of Criminology Conference*, New Orleans, LA.
- Westlake, B. G. (2016, November). Author Meets Critic: 'Cybercrime in Progress: Theory and Prevention of Technology-Enabled Offenses', A. Bossler & T. Holt (Eds.). *American Society of Criminology Conference*, New Orleans, LA.
- Westlake, B. G., & Bouchard, M. (2014, March). Monitoring the evolution of child exploitation networks. Invited presentation given at the *Interdisciplinary Conference on Cybercrime*, East Lansing, MI.

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GRANTS, CONTRACTS AND AWARDS

Years	Status	Grant Title	Amount	Funding Body	Investigators
2022-2023	Funded	Advancing child sexual abuse victim and perpetrator identification using biometrics (P21/519)	\$271,540 (AUD)	Australian Institute of Criminology	Brewer, Westlake, Logos, & Swearingen
2022	Funded	Assigned Time for Exceptional Levels of Service to Students Program AY 2022-23	Course release (Sp. 2023)	San Jose State University	Westlake
2022	Funded	Analyzing the motivations, benefits, and experiences of BDSM participants (2022-23 SJSU RSCA Seed Grant Program)	\$7,400 (US)	San Jose State University	Westlake
2022-2025	Submitted	SaTC: EDU: Training digital forensics examiners through hands-on education investigating live criminal investigations (NSF 22-517)	\$498,006 (US)	National Science Foundation	Westlake (Co-PI), & Rippy (Co-PI)
2021-2022	Funded	Examining the legal and ethical dimensions of using automated data collection technologies to combat cyber threats in Australia (C25-00210)	\$50,000 (AUD)	Cyber Security Cooperative Research Centre (Australia)	Brewer (Co-PI), Westlake (Co-PI), & Langos
2021	Completed	University Grants Academy	\$500 (US) & Course release	San Jose State University	Westlake
2020	Completed	COVID-19 Extramural Funding Incentive Program Award	\$500 (US)	San Jose State University	Westlake
2020-2025	Funded	Faculty RSCA assigned time program award	\$0 (US) -Course release	San Jose State University	Westlake
2020	Completed	Validating an Automated Biometrics Tool for Detecting Children Sexual Exploitation in Videos	\$7,500 (US)	San Jose State University	Westlake
2019-2020	Completed	Developing automated audio and facial recognition biometrics tools for detecting child exploitation material	\$169,298 (AUD)	Commonwealth of Australia	Westlake (Co-PI), Brewer (Co-PI), Ross, Frank, Bright
2018	Completed	Edward Byrne Memorial Justice Assistance Grant Program evaluation	\$7,529 (US)	San Benito County Sheriff's Office	Westlake
2018-2020	Completed	Faculty RSCA assigned time program award	\$0 (US) -Course release	San Jose State University	Westlake
2016	Completed	University 101 professional development grant	\$1,000 (US)	San Jose State University	Westlake

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STUDENT SUPERVISION

Master's Thesis (Senior Supervisor):

- Spring 2023 Isabella Mahan – BDSM and trauma: Inclusion of trauma in play and healing
Summer 2022 Allyson Cruz Galan – The experiences of transgender people who navigate the criminal justice systems
Summer 2022 Francesca Fanucchi – The promotion of extremist ideologies within online incel communities that reinforce ideals of aggrieved entitlement.
Summer 2022 Jai Vaca – Identifying key factors that lead to mental health distress and barriers for university students while achieving a higher education.
Summer 2022 Enrique Guerra – Analyzing the structure of websites distributing child sexual exploitation/abuse media on the Dark Web.
Summer 2021 Erin Afana – Perception Correction: Addressing Social Stigmatization around BDSM and Mental Health.

Master's Thesis (Associate Supervisor):

- Summer 2022 Clarissa Punla – Intimate partner violence among Mexican and Vietnamese immigrants during the Covid-19 pandemic

Master's Project (Senior Supervisor):

- Spring 2016 Marisela Reynoso – Short term fixes to long term problems: An analysis of California's realignment plan for prison overcrowding.
Spring 2016 Yevgeniy Mayba – Gang affiliated tattoo removal: Examination of perceptions, reasons, and internalized values.

Other:

- Spring 2021 Alvin Lin – Identifying Trigger Points on Social Media to Preventing Gang Violence Using Machine Learning (California Association of Criminalists Funded Research, Co-Supervisor).
Spring 2019 Haley Smith – Evidence of a genetic origin for psychopathy (Honors Thesis, Topic Expert)

TEACHING CERTIFICATES

- 01/2022 **Purposeful Pivoting for Academic Continuity at SJSU (6 Hours)**
San Jose State University
06/2021 **2021 Sumer Resilient Course Design Program (20 Hours)**
San Jose State University
08/2020 **SJSU Teach Online Summer Certificate Program (16 Hours)**
San Jose State University
06/2019 **Independent Improving Your Online Course (30 Hours)**
Quality Matters (California State University)
04/2014 **University Teaching and Learning Certificate (120 Hours)**
Simon Fraser University
12/2013 **Instructional Skills Workshop (24 Hours)**
Simon Fraser University
08/2006 **Student Directed Seminar Training (18 Hours)**
University of British Columbia

TEACHING EXPERIENCE

- 08/2020-Present San Jose State University, **Associate Professor**

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Graduate Courses (Online): Applied Projects; Applied Research Methods and Statistics; Applied Statistics in Criminal Justice; Cyber Forensics; Seminar: Deviance & Social Control; Survey of Research Methods

Undergraduate Courses (Online): Introduction to Cybercrime; Student Internship

08/2015-08/2020

San Jose State University, **Assistant Professor**

Graduate Courses (In-person): Applied Statistics in Criminal Justice; Qualitative Research Methods; Survey of Research Methods

Graduate Courses (Online): Applied Research Methods and Statistics; Cyber Forensics

Undergraduate Courses (In-person): Forensic Criminology; Introduction to Cybercrime; Research Methods in Justice Studies; Student Internship

Undergraduate Courses (Online): Introduction to Cybercrime; Research Methods in Justice Studies

2021-2022 UNIVERSITY (SJSU) COMMITTEES

- MS Criminology Program Coordinator
- Department Lecturer RTP Committee
- Forensic Science Program Planning Committee
- Graduate Program Planning Committee
- Justice Studies Scholarship Committee
- Justice Studies Advisor (Graduate)

CURRENT PROFESSIONAL MEMBERSHIPS

Scientific Working Group on Digital Evidence – Audio

American Society of Criminology – Division of Cybercrime

International Cybercrime Research Centre – Simon Fraser University

JOURNAL PEER REVIEWER

Applied Sciences, Computers in Human Behavior, Crime Science, Global Crime, International Journal of Cyber Criminology, International Journal of Environmental Research and Public Health, International Journal of Offender Therapy and Comparative Criminology, Policing: An International Journal of Police Strategies and Management, Sexual Abuse, Social Science Computer Review, Social Science Research, Trends and Issues in Crime and Criminal Justice