

Jeremy Blackburn

Binghamton University
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Experience

Academic/Research

- 2023–present **Associate Professor**, *Binghamton University*, Binghamton, NY.
Department of Computer Science
- 2019–2023 **Assistant Professor**, *Binghamton University*, Binghamton, NY.
Department of Computer Science
- 2017–2019 **Assistant Professor**, *University of Alabama at Birmingham*, Birmingham, AL.
Department of Computer Science
- 2014–2017 **Associate Researcher**, *Telefonica Research*, Barcelona, Spain.

Industry

- 2018–2021 **Advisor**, *Sentropy*, San Francisco, CA.
Sold to Discord in 2021
- 2017–2020 **Director of Research**, *Tappas*, Birmingham, AL.
- 2006–2008 **Software Architect**, *Pallasoft, Inc.*, Tampa.
Project involvement:
General consulting
Custom content management systems with inheriting access control lists
- 2003–2006 **Principal Developer**, *Boson Software, Inc.*, Tampa.
Project involvement:
Digital Rights Management and binary licensing system
Content distribution/update system
Flagship test engine product (over \$1 million a year in revenue)
Shrink wrapped software (sold in Best Buy)
Technical book software inserts (Cisco Press & McGraw-Hill)

Education

- 2010–2014 **PhD in Computer Science**, *University of South Florida*, Tampa.
- 2005–2010 **M.Sc in Computer Science**, *University of South Florida*, Tampa.
(5 year accelerated MS + BS program)
- 2005–2010 **B.Sc in Computer Science**, *University of South Florida*, Tampa.

PhD thesis

title *An Analysis of (Bad) Behavior in Online Video Games*
supervisor Adriana Iamnitchi

Masters thesis

title *Design and Evaluation of a Green BitTorrent for Energy-Efficient Content Distribution*
supervisor Ken Christensen

Awards

- 2023 Early Stage Distinguished Research, Watson College, Binghamton University.
- 2023 Best Paper, WebSci '23. See [14].
- 2022 Best Paper Honorable Mention, CCS '22. See [15].
- 2021 Impact Recognition Award, CSCW '21. See [23].
- 2021 Honorable Mention, CSCW '21. See [24].
- 2020 Charles E. Scheidt Faculty Fellowship in Atrocity Prevention
- 2020 Honorable Mention, ICWSM '20. See [38].
- 2020 Honorable Mention, ICWSM '20. See [40].
- 2019 Best Reviewer Award, ICWSM '19.
- 2019 Best Paper Award, CyberSafety '19. See [67].
- 2018 Distinguished Paper Award, IMC '18. See [44].
- 2018 Best Reviewer, WWW '18.
- 2017 Best Paper Runner Up, ICWSM '17. See [52].
- 2011 Best Student Poster, HPDC/SIGMETRICS at FRC '11.
- 2008 Best Poster, University of South Florida REU Poster Competition.

Funding

- 2023-2027 **NSF Collaborative Research: SaTC: TTP: Medium: iDRAMA.cloud: A Platform for Measuring and Understanding Information Manipulation** (PI). Amount: \$674,999.
- 2021-2026 **NSF CAREER: Towards a Data-driven Understanding of Online Sentiment** (PI). Amount: \$517,484.
- 2021-2023 **NSF Collaborative Research: SaTC: CORE: Small: Detecting Accounts Involved in Influence Campaigns on Social Media** (PI). Amount \$220,000.
 - 2019 **Facebook Content Policy Research on Social Media Platforms, Monitoring Cross-platform Trends in Hate Speech** (PI with Co-PI Barry Bradlyn, UIUC Physics). Amount: \$100k, Binghamton share: \$50k.
 - 2018 **nVidia Seed Grant**. Two nVidia Titan Xp GPUs
 - 2016 **EU H2020, ENCASE - Enhancing seCurity And privacy in the Social wEb: A User Centered Approach for the Protection of Minors** (PI at Telefonica). Amount: 2.16M€.
- 2015-2016 **Telefonica Innovation Call** (Scientific Lead). Amount: 117k€.

Publications

*Note: Students co-authors under my PhD, masters, or undergraduate research supervision at the time of authorship are marked with a *.*

Journals

- [1] Alexandros Mittos, Savvas Zannettou, Jeremy Blackburn, and Emiliano De Cristofaro. Analyzing genetic testing discourse on the web through the lens of twitter, reddit, and 4chan. *ACM Trans. Web*, 2020.
- [2] Despoina Chatzakou, Ilias Leontiadis, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, Athena Vakali, and Nicolas Kourtellis. Detecting cyberbullying and cyberaggression in social media. *ACM Trans. Web*, 13(3), October 2019.
- [3] Savvas Zannettou*, Michael Sirivianos, Jeremy Blackburn, and Nicolas Kourtellis. The web

of false information: Rumors, fake news, hoaxes, clickbait, and various other shenanigans. *J. Data and Information Quality*, 11(3), May 2019.

- [4] Andri Ioannou, Jeremy Blackburn, Gianluca Stringhini, Emiliano De Cristofaro, Nicolas Kourtellis, and Michael Sirivianos. From risk factors to detection and intervention: a practical proposal for future work on cyberbullying. *Behaviour & Information Technology*, 37(3):258–266, 2018.
 - [5] Jay Ligatti, Jeremy Blackburn, and Michael Nachtigal. On subtyping-relation completeness, with an application to iso-recursive types. *ACM Trans. Program. Lang. Syst.*, 39(1):4:1–4:36, March 2017.
 - [6] Xiang Zuo, Jeremy Blackburn, Nicolas Kourtellis, John Skvoretz, and Adriana Iamnitchi. The power of indirect ties. *Computer Communications*, 73, Part B:188 – 199, 2016.
 - [7] Nicolas Kourtellis, Jeremy Blackburn, Cristian Borcea, and Adriana Iamnitchi. Enabling social applications via decentralized social data management. *ACM Transactions on Internet Technology*, 15(1), March 2015.
 - [8] Jeremy Blackburn, Nicolas Kourtellis, John Skvoretz, Matei Ripeanu, and Adriana Iamnitchi. Cheating in Online Games: A Social Network Perspective. *ACM Transactions on Internet Technology*, 3(9), May 2014.
 - [9] Adriana Iamnitchi, Jeremy Blackburn, and Nicolas Kourtellis. The Social Hourglass: An Infrastructure for Socially Aware Applications and Services. *IEEE Internet Computing*, 16(3):13–23, 2012.
 - [10] Jeremy Blackburn, Ramanuja Simha, Clayton Long, Xiang Zuo, Nicolas Kourtellis, John Skvoretz, and Adriana Iamnitchi. Cheaters in a Gaming Social Network. *ACM SIGMETRICS Performance Evaluation Review (PER)*, 39(3):101–103, December 2011.
- Conferences (refereed)
- [11] Pujan Paudel, Jeremy Blackburn, Emiliano De Cristofaro, Savvas Zannettou, and Gianluca Stringhini. Lambretta: Learning to rank for twitter soft moderation. In *IEEE Security & Privacy*, Oakland '22, 2023.
 - [12] Alexandros Efstratiou, Jeremy Blackburn, Tristan Caulfield, Gianluca Stringhini, Savvas Zannettou, and Emiliano De Cristofaro. Non-polar opposites: Analyzing the relationship between echo chambers and hostile intergroup interactions on reddit. In *Proceedings of the 17th International AAAI Conference on Web and Social Media*, ICWSM '23, 2023.
 - [13] Utkucan Balci*, Chen Ling, Emiliano De Cristofaro, Megan Squire, Gianluca Stringhini, and Jeremy Blackburn. Beyond fish and bicycles: Exploring the varieties of online women's ideological spaces. In *15th ACM Web Science Conference 2023*, WebSci '23, 2023.
 - [14] Satrio Yudhoatmojo*, Emiliano De Cristofaro, and Jeremy Blackburn. Understanding the Use of e-Prints on Reddit and 4chan's Politically Incorrect Board. In *Proceedings of the 15th ACM Web Science Conference 2023*, WebSci '23, pages 117–127, 2023.
 - [15] Wai Man Si, Michael Backes, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, Savvas Zannettou, and Yang Zhang. Why So Toxic? Measuring and Triggering Toxic Behavior in Open-Domain Chatbots. In *Proceedings of the 2022 ACM SIGSAC Conference on Computer and Communications Security*, CCS '22, pages 2659–2673, 2022.
 - [16] Chen Ling, Jeremy Blackburn, Emiliano De Cristofaro, and Gianluca Stringhini. Slapping Cats, Bopping Heads, and Oreo Shakes: Understanding Indicators of Virality in TikTok Short Videos. In *14th ACM Web Science Conference 2022*, WebSci '22, pages 164–173, June 2022.

- [17] Xinyue Shen, Xinlei He, Michael Backes, Jeremy Blackburn, Savvas Zannettou, and Yang Zhang. On xing tian and the perseverance of anti-china sentiment online. *Proceedings of the International AAAI Conference on Web and Social Media*, 16(1):944–955, May 2022.
- [18] Kostantinos Papadamou, Savvas Zannettou, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, and Michael Sirivianos. "it is just a flu": Assessing the effect of watch history on youtube's pseudoscientific video recommendations. In *Proceedings of the International AAAI Conference on Web and Social Media*, 2022.
- [19] Antonis Papasavva, Max Aliapoulios, Cameron Ballard, Emiliano De Cristofaro, Gianluca Stringhini, Savvas Zannettou, and Jeremy Blackburn. The gospel according to q: Understanding the qanon conspiracy from the perspective of canonical information. *Proceedings of the International AAAI Conference on Web and Social Media*, 16(1):735–746, May 2022.
- [20] Mohammad Hammas Saeed, Shiza Ali, Jeremy Blackburn, Emiliano De Cristofaro, Savvas Zannettou, and Gianluca Stringhini. Trollmagnifier: Detecting state-sponsored troll accounts on reddit. In *IEEE Security & Privacy*, Oakland '22, 2022.
- [21] Shiza Ali, Mohammad Hammas Saeed, Esraa Aldreabi, Jeremy Blackburn, Emiliano De Cristofaro, Savvas Zannettou, and Gianluca Stringhini. Understanding the effect of deplatforming on social networks. In *13th ACM Web Science Conference 2021*, pages 187–195, 2021.
- [22] Kostantinos Papadamou, Savvas Zannettou, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, and Michael Sirivianos. "how over is it?" understanding the incel community on youtube. *Proc. ACM Hum.-Comput. Interact.*, 5(CSCW2), oct 2021.
- [23] Periwinkle Doerfler, Andrea Forte, Emiliano De Cristofaro, Gianluca Stringhini, Jeremy Blackburn, and Damon McCoy. "i'm a professor, which isn't usually a dangerous job": Internet-facilitated harassment and its impact on researchers. *Proc. ACM Hum.-Comput. Interact.*, 5(CSCW2), oct 2021.
- [24] Manoel Horta Ribeiro, Shagun Jhaver, Savvas Zannettou, Jeremy Blackburn, Gianluca Stringhini, Emiliano De Cristofaro, and Robert West. Do platform migrations compromise content moderation? evidence from r/the_donald and r/incels. *Proc. ACM Hum.-Comput. Interact.*, 5(CSCW2), oct 2021.
- [25] Yuping Wang, Savvas Zannettou, Jeremy Blackburn, Barry Bradlyn, Emiliano De Cristofaro, and Gianluca Stringhini. A multi-platform analysis of political news discussion and sharing on web communities. In *2021 IEEE International Conference on Big Data (Big Data)*, pages 1481–1492. IEEE, 2021.
- [26] Max Aliapoulios, Emmi Bevensee, Jeremy Blackburn, Barry Bradlyn, Emiliano De Cristofaro, Gianluca Stringhini, and Savvas Zannettou. A large open dataset from the parler social network. In *Proceedings of the International AAAI Conference on Web and Social Media*, volume 15, pages 943–951, 2021.
- [27] Antonis Papasavva, Jeremy Blackburn, Gianluca Stringhini, Savvas Zannettou, and Emiliano De Cristofaro. "Is it a Qoincidence?": A First Step Towards Understanding and Characterizing the QAnon Movement on Voat.co. In *Proceedings of the 30th Web Conference, WWW '21*, 2021.
- [28] Fatemeh Tahmasbi*, Leonard Schild, Chen Ling, Jeremy Blackburn, Gianluca Stringhini, Yang Zhang, and Savvas Zannettou. "Go eat a bat, Chang!": An Early Look on the Emergence of Sinophobic Behavior on Web Communities in the Face of COVID-19. In *Proceedings of the 30th Web Conference, WWW '21*, 2021.

- [29] Chen Ling, Ihab Abuhiyal*, Jeremy Blackburn, Emiliano De Cristofaro, Savvas Zannettou, and Gianluca Stringhini. Dissecting the Meme Magic: Understanding Indicators of Virality in Image Memes. In *Proceedings of the 2021 ACM Conference on Computer Supported Cooperative Work, CSCW '21*, 2021.
- [30] Chen Ling, Utkucan Balci*, Jeremy Blackburn, and Gianluca Stringhini. A first look at zombombing. In *IEEE Security & Privacy, Oakland '21*, 2021.
- [31] Yuping Wang, Fatemeh Tahmasbi*, Jeremy Blackburn, Barry Bradlyn, Emiliano De Cristofaro, David Magerman, Savvas Zannettou, and Gianluca Stringhini. Understanding the use of fauxtography on social media. In *Proceedings of the 15th International AAAI Conference on Web and Social Media, ICWSM '21*, 2021.
- [32] Manoel Horta Ribeiro, Jeremy Blackburn, Barry Bradlyn, Emiliano De Cristofaro, Gianluca Stringhini, Summer Long*, Stephanie Greenberg*, and Savvas Zannettou. The Evolution of the Manosphere across the Web. In *Proceedings of the 15th International AAAI Conference on Web and Social Media, ICWSM '21*, 2021.
- [33] Erik Rye, Jeremy Blackburn, and Robert Beverly. Reading In-Between the Lines: An Analysis of Dissenter. In *Proceedings of the 2020 Internet Measurement Conference, IMC '20*, 2020.
- [34] Jason Baumgartner, Savvas Zannettou, Brian Keegan, Megan Squire, and Jeremy Blackburn. The pushshift reddit dataset. *Proceedings of the International AAAI Conference on Web and Social Media*, 14(1):830–839, May 2020.
- [35] Jason Baumgartner, Savvas Zannettou, Megan Squire, and Jeremy Blackburn. The pushshift telegram dataset. *Proceedings of the International AAAI Conference on Web and Social Media*, 14(1):840–847, May 2020.
- [36] Antonis Papasavva, Savvas Zannettou, Emiliano De Cristofaro, Gianluca Stringhini, and Jeremy Blackburn. Raiders of the lost kek: 3.5 years of augmented 4chan posts from the politically incorrect board. *Proceedings of the International AAAI Conference on Web and Social Media*, 14(1):885–894, May 2020.
- [37] Savvas Zannettou, Barry Bradlyn, Emiliano De Cristofaro, Gianluca Stringhini, and Jeremy Blackburn. Characterizing the Use of Images by State-Sponsored Troll Accounts on Twitter. In *Proceedings of the 14th International AAAI Conference on Web and Social Media, ICWSM '20*, 2020.
- [38] Kostantinos Papadamou, Antonis Papasavva, Savvas Zannettou*, Jeremy Blackburn, Nicolas Kourtellis, Ilias Leontiadis, Gianluca Stringhini, and Michael Sirivianos. Disturbed youtube for kids: Characterizing and detecting disturbing content on youtube. In *Proceedings of the 14th International AAAI Conference on Web and Social Media (Honorable Mention), ICWSM '20*, 2020.
- [39] Alexandros Mittos, Savvas Zannettou*, Jeremy Blackburn, and Emiliano De Cristofaro. “and we will fight for our race!” a measurement study of genetic testing conversations on reddit and 4chan. In *Proceedings of the 14th International AAAI Conference on Web and Social Media, ICWSM '20*, 2020.
- [40] Savvas Zannettou*, Joel Finkelstein, Barry Bradlyn, and Jeremy Blackburn. A quantitative approach to understanding online antisemitism. In *Proceedings of the 14th International AAAI Conference on Web and Social Media, ICWSM '20*, 2020.
- [41] Enrico Mariconti, Guillermo Suarez-Tangil, Jeremy Blackburn, Emiliano De Cristofaro, Nicolas Kourtellis, Ilias Leontiadis, Jordi Luque Serrano, and Gianluca Stringhini. "You Know What

- to Do": Proactive Detection of YouTube Videos Targeted by Coordinated Hate Attacks. In *Proceedings of the 2019 ACM conference on Computer supported cooperative work*, 2019.
- [42] Antigoni Maria Founta, Despoina Chatzakou, Nicolas Kourtellis, Jeremy Blackburn, Athena Vakali, and Ilias Leontiadis. A unified deep learning architecture for abuse detection. In *Proceedings of the 10th ACM Conference on Web Science, WebSci '19*, pages 105–114, New York, NY, USA, 2019. ACM.
- [43] Savvas Zannettou*, Tristan Caulfield, William Setzer*, Michael Sirivianos, Gianluca Stringhini, and Jeremy Blackburn. Who let the trolls out?: Towards understanding state-sponsored trolls. In *Proceedings of the 10th ACM Conference on Web Science, WebSci '19*, pages 353–362, New York, NY, USA, 2019. ACM.
- [44] Savvas Zannettou*, Tristan Caulfield, Jeremy Blackburn, Emiliano De Cristofaro, Michael Sirivianos, Gianluca Stringhini, and Guillermo Suarez-Tangil. On the Origins of Memes by Means of Fringe Web Communities. In *Proceedings of the 2018 Internet Measurement Conference (Distinguished Paper Award)*, IMC '18, 2018.
- [45] Lucky Onwuzurike, Mario Almeida*, Enrico Mariconti, Jeremy Blackburn, Gianluca Stringhini, and Emiliano De Cristofaro. A family of droids-android malware detection via behavioral modeling: Static vs dynamic analysis. In *2018 16th Annual Conference on Privacy, Security and Trust (PST)*, pages 1–10, Aug 2018.
- [46] Savvas Zannettou*, Jeremy Blackburn, Emiliano De Cristofaro, Michael Sirivianos, and Gianluca Stringhini. Understanding Web Archiving Services and Their (Mis)Use on Social Media. In *Proceedings of the 12th International AAI Conference on Web and Social Media, ICWSM '18*, 2018.
- [47] Antigoni-Maria Founta, Constantinos Djouvas, Despoina Chatzakou, Ilias Leontiadis, Jeremy Blackburn, Gianluca Stringhini, Athena Vakali, Michael Sirivianos, and Nicolas Kourtellis. Large Scale Crowdsourcing and Characterization of Twitter Abusive Behavior. In *Proceedings of the 12th International AAI Conference on Web and Social Media, ICWSM '18*, 2018.
- [48] Mario Almeida*, Muhammad Bilal, Alessandro Finamore, Ilias Leontiadis, Yan Grunenberger, Matteo Varvello, and Jeremy Blackburn. CHIMP: Crowdsourcing Human Inputs for Mobile Phones. In *Proceedings of the 27th Web Conference, WWW '18*, 2018.
- [49] Savvas Zannettou*, Tristan Caulfield, Emiliano De Cristofaro, Nicolas Kourtellis, Ilias Leontiadis, Michael Sirivianos, Gianluca Stringhini, and Jeremy Blackburn. The web centipede: Understanding how web communities influence each other through the lens of mainstream and alternative news sources. In *Proceedings of the 2017 Internet Measurement Conference, IMC '17*, pages 405–417, New York, NY, USA, 2017. ACM.
- [50] Despoina Chatzakou, Nicolas Kourtellis, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, and Athena Vakali. Hate is not binary: Studying abusive behavior of #gamergate on twitter. In *The 9th International ACM Web Science Conference, WebSci '17*, 2017.
- [51] Despoina Chatzakou, Nicolas Kourtellis, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, and Athena Vakali. Mean birds: Detecting aggression and bullying on twitter. In *The 28th ACM Conference on Hypertext and Social Media, HT '17*, 2017.
- [52] Gabriel Emile Hine, Jeremiah Onalapo, Emiliano De Cristofaro, Nicolas Kourtellis, Ilias Leontiadis, Riginos Samaras, Gianluca Stringhini, and Jeremy Blackburn. Kek, cucks, and god emperor trump: A measurement study of 4chan's politically incorrect forum and its effects on the web. In *Proceedings of the 11th International AAI Conference on Web and Social Media (best paper runner up)*, ICWSM '17, 2017.

- [53] Matteo Varvello, Jeremy Blackburn, David Naylor, and Konstantina Papagiannaki. Eyeorg: A platform for crowdsourced web quality of experience measurements. In *Proceedings of the 12th ACM International on Conference on Emerging Networking Experiments and Technologies*, CoNEXT '16, 2016.
- [54] Vasiliki Kalavri, Jeremy Blackburn, Matteo Varvello, and Konstantina Papagiannaki. Like a pack of wolves: Community structure of web trackers. In *Proceedings of the 2016 Passive and Active Measurements Conference*, PAM '16, 2016.
- [55] Mario Almeida*, Muhammad Bilal, Jeremy Blackburn, and Konstantina Papagiannaki. An empirical study of android alarm usage for application scheduling. In *Proceedings of the 2016 Passive and Active Measurements Conference*, PAM '16, 2016.
- [56] Matteo Varvello, Kyle Schomp, David Naylor, Jeremy Blackburn, Alessandro Finamore, and Konstantina Papagiannaki. Is the web http/2 yet? In *Proceedings of the 2016 Passive and Active Measurements Conference*, PAM '16, 2016.
- [57] David Naylor, Kyle Schomp, Matteo Varvello, Ilias Leontiadis, Jeremy Blackburn, Diego R. López, Konstantina Papagiannaki, Pablo Rodriguez Rodriguez, and Peter Steenkiste. Multi-context tls (mctls): Enabling secure in-network functionality in tls. In *Proceedings of the 2015 ACM Conference on Special Interest Group on Data Communication*, SIGCOMM '15, pages 199–212, 2015.
- [58] Haewoon Kwak, Jeremy Blackburn, and Seungyeop Han. Exploring cyberbullying and other toxic behavior in team competition online games. In *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, CHI '15, 2015.
- [59] Xiang Zuo, Jeremy Blackburn, Nicolas Kourtellis, John Skvoretz, and Adriana Iamnitchi. The influence of indirect ties on social network dynamics. In *Proceedings of the 6th International Conference on Social Informatics*, SocInfo '14, 2014.
- [60] Xiang Zuo, Jeremy Blackburn, Nicolas Kourtellis, John Skvoretz, and Adriana Iamnitchi. The power of indirect ties in friend-to-friend storage systems. In *Proceedings of the IEEE International conference on Peer-to-Peer Computing*, P2P '14. ACM, 2014.
- [61] Jeremy Blackburn and Haewoon Kwak. STFU NOOB! Predicting Crowdsourced Decisions on Toxic Behavior in Online Games. In *Proceedings of the 23rd international conference on World Wide Web*, WWW '14, 2014.
- [62] Jeremy Blackburn, Rade Stanojevic, Vijay Erramilli, Adriana Iamnitchi, and Konstantina Papagiannaki. Last Call for the Buffet: Economics of Cellular Networks. In *Proceedings of the 19th Annual International Conference on Mobile Computing and Networking*, MobiCom'13, 2013.
- [63] Jeremy Blackburn and Adriana Iamnitchi. Relationships under the microscope with Interaction-Backed social networks. In *Internet, Interdisciplinarity & Innovation: The first international conference on Internet Science 2013*, Brussels, Belgium, April 2013.
- [64] Jeremy Blackburn, Ramanuja Simha, Nicolas Kourtellis, Xiang Zuo, Matei Ripeanu, John Skvoretz, and Adriana Iamnitchi. Branded with a Scarlet "C": Cheaters in a Gaming Social Network. In *Proceedings of the 21st international conference on World Wide Web*, WWW '12, pages 81–90. ACM, 2012.
- [65] Nicolas Kourtellis, Joshua Finnis, Paul Anderson, Jeremy Blackburn, and Adriana Iamnitchi. Prometheus: User-Controlled P2P Social Data Management for Socially-Aware Applications. In *Proceedings of the 11th ACM/IFIP/USENIX International Middleware Conference*, Middleware '10, November 2010.

Workshops (refereed)

- [66] Emmi Bevensee, Maxwell Aliapoulos, Quinn Dougherty, Jason Baumgartner, Damon McCoy, and Jeremy Blackburn. SMAT: The Social Media Analysis Toolkit. In *Proceedings of the 1st International Workshop on Cyber Social Threats*, CySoc '20, 2020.
- [67] Savvas Zannettou*, Tristan Caulfield, Emiliano De Cristofaro, Michael Sirivianos, Gianluca Stringhini, and Jeremy Blackburn. Disinformation warfare: Understanding state-sponsored trolls on twitter and their influence on the web. In *Cybersafety, Companion Proceedings of The 2019 World Wide Web Conference (Best Paper Award)*, CyberSafety '19, pages 218–226, New York, NY, USA, 2019. ACM.
- [68] Savvas Zannettou*, Barry Bradlyn, Emiliano De Cristofaro, Michael Sirivianos, Gianluca Stringhini, Haewoon Kwak, and Jeremy Blackburn. What is Gab? A Bastion of Free Speech or an Alt-Right Echo Chamber? In *Proceedings of the 27th Web Conference Companion (formerly WWW)*, WWW '18 Companion, 2018.
- [69] Ah Reum Kang, Jeremy Blackburn, Haewoon Kwak, and Huy Kang Kim. I would not plant apple trees if the world will be wiped: Analyzing hundreds of millions of behavioral records of players during an mmorpg beta test. In *Proceedings of the 26th International Conference on World Wide Web Companion*, WWW '17 Companion, pages 435–444, 2017.
- [70] Joan Serra, Ilias Leontiadis, Dimitris Spathis, Gianluca Stringhini, Jeremy Blackburn, and Athena Vakali. Class-based prediction errors to detect hate speech with out-of-vocabulary words. In *1st Workshop on Abusive Language Online*, ALW1, 2017.
- [71] Despoina Chatzakou, Nicolas Kourtellis, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, and Athena Vakali. Measuring #gamergate: A tale of hate, sexism, and bullying. In *Proceedings of the 26th International Conference on World Wide Web Companion*, WWW '17 Companion, pages 1285–1290, 2017.
- [72] Liang Wang, Mario Almeida*, Jeremy Blackburn, and Jon Crowcroft. C3po: Computation congestion control (proactive) - an algorithm for dynamic diffusion of ephemeral in-network services. In *Workshop on Information Centric Networking for 5G*, IC5G '16, 2016.
- [73] Fotios Papaodyssefs*, Costas Iordanou, Jeremy Blackburn, Nikolaos Laoutaris, and Konstantina Papagiannaki. Web identity translator: Behavioral advertising and identity privacy with WIT. In *Proceedings of the 14th ACM Workshop on Hot Topics in Networks*, HotNets '15, 2015.
- [74] Haewoon Kwak and Jeremy Blackburn. Linguistic analysis of toxic behavior in an online video game. In *Proceedings of the 1st Exploration on Games and Gamers Workshop*, EGG '14, 2014.
- [75] Jeremy Blackburn and Adriana Iamnitchi. An architecture for collecting longitudinal social data. In *IEEE International Conference on Communications 2013: IEEE ICC'13 - Workshop on Beyond Social Networks: Collective Awareness*, Budapest, Hungary, June 2013.
- [76] Jeremy Blackburn, Nicolas Kourtellis, and Adriana Iamnitchi. Vulnerability in Socially-Informed Peer-to-Peer Systems. *4th ACM EuroSys Workshop on Social Network Systems*, 2011.
- [77] Jeremy Blackburn and Ken Christensen. A Simulation Study of a New Green BitTorrent. In *Proceedings of the 1st International Workshop on Green Communications (GreenComm) in conjunction with the IEEE International Conference on Communications*, pages 1–6, 2009.

Posters (refereed)

- [78] Despoina Chatzakou, Nicolas Kourtellis, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, and Athena Vakali. Detecting aggressors and bullies on twitter. In *Proceedings of the 26th International Conference on World Wide Web Companion, WWW '17 Companion*, pages 767–768, Republic and Canton of Geneva, Switzerland, 2017. International World Wide Web Conferences Steering Committee.
- [79] Jeremy Blackburn, Ramanuja Simha, Clayton Long, Xiang Zuo, Nicolas Kourtellis, John Skovretz, and Adriana Iamnitchi. Cheaters in a Gaming Metanetwork. In *HPDC/Sigmetrics 2011 at FCRC '11 (best student poster award)*, 2011.
- [80] Nicolas Kourtellis, Joshua Finnis, Paul Anderson, Jeremy Blackburn, and Adriana Iamnitchi. Prometheus: Distributed management of geo-social data. In *NSDI (poster)*, 2010.
- [81] Zack King, Jeremy Blackburn, and Adriana Iamnitchi. BatTorrent: A Battery-Aware BitTorrent for Mobile Devices. In *UbiComp (poster)*, 2009.

Technical Reports

- [82] Max Aliapoulos, Emmi Bevensee, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, and Savvas Zannettou. An early look at the parler online social network, 2021.
- [83] Manoel Horta Ribeiro, Shagun Jhaver, Savvas Zannettou, Jeremy Blackburn, Emiliano De Cristofaro, Gianluca Stringhini, and Robert West. Does platform migration compromise content moderation? evidence from r/the_donald and r/incels, 2020.
- [84] Kostantinos Papadamou, Antonis Papasavva, Savvas Zannettou, Jeremy Blackburn, Nicolas Kourtellis, Ilias Leontiadis, Gianluca Stringhini, and Michael Sirivianos. Disturbed youtube for kids: Characterizing and detecting disturbing content on youtube. *arXiv preprint arXiv:1901.07046*, 2019.
- [85] Joel Finkelstein, Savvas Zannettou*, Barry Bradlyn, and Jeremy Blackburn. A quantitative approach to understanding online antisemitism. *arXiv preprint arXiv:1809.01644*, 2018.
- [86] Savvas Zannettou*, Tristan Caulfield, Emiliano De Cristofaro, Michael Sirivianos, Gianluca Stringhini, and Jeremy Blackburn. Disinformation warfare: Understanding state-sponsored trolls on twitter and their influence on the web. *CoRR*, abs/1801.09288, 2018.
- [87] S. Zannettou*, T. Caulfield, E. De Cristofaro, N. Kourtellis, I. Leontiadis, M. Sirivianos, G. Stringhini, and J. Blackburn. The Web Centipede: Understanding How Web Communities Influence Each Other Through the Lens of Mainstream and Alternative News Sources. *ArXiv e-prints*, May 2017.
- [88] Gabriel Emile Hine, Jeremiah Onalapo, Emiliano De Cristofaro, Nicolas Kourtellis, Ilias Leontiadis, Riginos Samaras, Gianluca Stringhini, and Jeremy Blackburn. A longitudinal measurement study of 4chan’s politically incorrect forum and its effect on the web. <https://arxiv.org/abs/1610.03452>, 2016.
- [89] J. Blackburn, R. Simha, N. Kourtellis, X. Zuo, C. Long, M. Ripeanu, J. Skvoretz, and A. Iamnitchi. Cheaters in the Steam Community Gaming Social Network. *ArXiv e-prints*, December 2011.
- [90] Jay Ligatti, Michael Nachtigal, Jeremy Blackburn, and Ivory Hernandez. Completely subtyping iso-recursive types. Technical Report CSE-PL-101011, University of South Florida, October 2011.

Others

- [91] Jeremy Blackburn and Ken Christensen. Power Management for BitTorrent. In *University of South Florida REU Poster Competition (best poster award)*, 2008.

- [92] Jeremy Blackburn and Ken Christensen. Reducing the energy consumption of peer-to-peer networks. In *19th Annual Argonne Symposium for Undergraduates in Science, Engineering and Mathematics*, November 2008.
- [93] Jeremy Blackburn and Ken Christensen. Green Telnet: Modifying a client-server application to save energy. In *Dr. Dobb's Journal*, October 2008.

Student Supervision

PhD Students

- 2021–present Jay Patel (PhD CS; Binghamton University).
- 2020–present Utkucan Balci (PhD CS; Binghamton University). See [13, 30]
- 2020–present Ihab AbuHilal (PhD CS; Binghamton University). See [29]
- 2019–present Satrio Yudhoatmojo (PhD CS; Binghamton University). See [14]
- 2019–present Fatemah Tahmasabi (PhD CS; Binghamton University). See [28, 31]
- 2022–2023 Necati Ayan (PhD CS; Binghamton University). Graduated July 2023. First job: Data Scientist with Mint Mobile.
- 2017–2019 Savvas Zannettou (PhD CS; CUT, Cyprus). Co-supervisor with Michael Sirivianos, CUT; Graduated December 2019. First job: Post doc, Max Plank Institute. See [3, 40, 43, 44, 46, 49, 67, 68].
- 2014–2018 Mario Almeida (PhD CS; UCP, Barcelona). Primary supervisor; graduated May. 2018. Current Job: Researcher, Samsung AI Center. First Job: Software Engineer, Mosaic. See [45, 48, 55, 72].

Masters Students

- 2023 Michael Hernandez (Masters CS; Binghamton University).
- 2022 Sean Kunz (Masters CS; Binghamton University).
- 2022 Kapil Bidikar (Masters CS; Binghamton University).
- 2015 Fotios Papaodyssefs (Masters CS; UCP, Barcelona). Masters Thesis: “Web Identity Translator: Behavioral advertising and Identity Privacy with WIT” (received 9.5/10 grade). See [73].

Undergraduate Students

- 2019 Stephanie Greenberg (Undergraduate CS; Binghamton University). See [32].
- 2019 Summer Long (Undergraduate Math; Binghamton University). See [32].

Press

- 2023 I was interviewed for a story in *Wired* about the impact of Elon Musk raising Twitter’s API access fees to astronomical levels (<https://www.wired.com/story/twitter-data-api-prices-out-nearly-everyone/>).
- 2022 I did some analysis for an NBC news article about the “grooming” rhetoric around the LGBTQ+ community (<https://www.nbcnews.com/tech/internet/lgbtq-abuse-spikes-online-fueled-intensifying-culture-war-rcna24904>).
- 2021 I was quoted by (in)famous philosopher Slavoj Zizek in his piece about the Wall Street Bets phenomenon (<https://www.spectator.co.uk/article/the-capitalist-nihilism-of-wallstreetbets>).
- 2021 Our early look at the Parler social media platform [82] was covered by *Business Insider* (<https://www.businessinsider.com/parler-app-hotbed-radicalization-extremism-2021-1>).

- 2021 Our work related to Gab [68] and the consequences of deplatforming [83] was covered by NBC News (<https://www.nbcnews.com/tech/internet/does-deplatforming-work-trump-s-most-extreme-fans-will-find-n1253906>).
- 2020 Our work on Zoombombing [30] was covered by New Scientist (<https://www.newscientist.com/article/2255550-most-zoombombing-is-not-done-by-external-hackers-theyre-inside-jobs/>).
- 2020 Our work on the Manosphere [32] was covered by Newsweek (<https://www.newsweek.com/manosphere-incel-communities-online-more-toxic-data-research-shows-1486943>), MIT Technology Review (<https://www.technologyreview.com/s/615155/the-manosphere-is-getting-more-toxic-as-angry-men-join-the-incels/>), and the Daily Mail (https://www.dailymail.co.uk/sciencetech/article-7997085/Men-internet-extreme-toxic-abusive-according-study.html?ns_mchannel=rss&ns_campaign=1490&ito=1490).
- 2019 I was interviewed by Vice for a story about a Canadian woman radicalized by memes on DeviantArt. https://www.vice.com/en_us/article/zmp5y3/neo-nazis-on-deviant-art-radicalized-a-woman-who-planned-a-mass-shooting
- 2019 The New York Times published an article titled “Algorithms Won’t Fix What’s Wrong With YouTube” mentioning our technical report [84]. (<https://www.nytimes.com/2019/06/14/opinion/youtube-algorithm.html>)
- 2019 The Washington Post published an article titled “YouTube says it bans preteens from its site. But it’s still delivering troubling content to young children” featuring our technical report [84]. (<https://www.washingtonpost.com/technology/2019/03/14/youtube-says-it-bans-preteens-its-site-its-still-delivering-troubling-content-young-children>)
- 2018 The Conversation invited us to write an article about our work on understanding and tracking memes [44] (<https://theconversation.com/memes-are-taking-the-alt-right-s-message-of-hate-mainstream-108196>).
- 2018 After the unfortunate attack on the Tree of Life synagogue in Pittsburgh, our work related to antisemitism Gab [85, 68] was covered extensively in the media. For example, NBC News, The Wall Street Journal, The Washington Post, etc.
- 2018 The Washington Post covered (online and in print on the front page of the Business & Economy Section) our technical report on a quantitative approach to understanding antisemitism online [85] (<https://www.washingtonpost.com/technology/2018/09/06/racism-anti-semitism-surged-corners-web-after-trumps-election>)
- 2018 The Conversation invited us to write an article about the behavior of Russian Trolls online based on our tech report [86] (<https://theconversation.com/propaganda-spewing-russian-trolls-act-differently-online-from-regular-people-100855>). The article was picked up by a variety of other sources; e.g., US News and World Reports.
- 2018 MIT Technology Review wrote an article about our paper on measuring memes [44] (<https://www.technologyreview.com/s/611332/this-is-where-internet-memes-come-from>)
- 2018 Vice UK interviewed me about our characterization of Gab.ai [68] (https://www.vice.com/en_uk/article/ywxb95/gab-is-the-alt-right-social-network-racists-are-moving-to).
- 2018 New Scientist covered our work characterizing Gab.ai [68] (<https://www.newscientist.com/article/2161933-theres-an-alt-right-alt-twitter-and-its-filled-with-hate/>).

- 2017 The Atlantic interviewed me for a piece concerning online extremist communities, focusing on our findings from [49] showing how they have a disproportionate impact on mainstream social media. An edited version of the print article is available online at <https://www.theatlantic.com/politics/archive/2017/11/how-much-attention-should-extremists-get/546152/>
- 2017 Vice Motherboard Germany interviewed me with respect to how 4chan was influencing the 2017 German Elections (<https://goo.gl/oGKWg2>)
- 2017 Nature news published a Q&A about our work on 4chan [52] and fake news [87] (<https://www.nature.com/news/shining-a-light-on-the-dark-corner-s-of-the-web-1.22128>)
- 2017 Vice Motherboard interviewed me to get an understanding of how 4chan's unique features and constant content production factor into its influence on the Web (https://motherboard.vice.com/en_us/article/ywzm8m/how-4chans-structure-creates-a-survival-of-the-fittest-for-memes)
- 2017 The New European used our work [52] and an interview with me as the basis for their story explaining what 4chan is and how it influences the Web. (<https://goo.gl/13a7K8>)
- 2017 New Scientist covered our work on studying the end of the world through the lens of video games [69] (<https://www.newscientist.com/article/2124199-video-game-beta-test-reveals-how-we-might-act-if-the-world-ends/>)
- 2016 Our technical report on 4chan's politically incorrect board [88] was selected as a "Best of Arxiv" paper (<https://www.technologyreview.com/s/602707/the-best-of-the-physics-arxiv-week-ending-october-22-2016/>), and featured in press by La Stampa (<https://goo.gl/KWyT54>), Vice Mother Board (<https://goo.gl/tjf2jt>), and Pacific Standard (<https://goo.gl/v84GdC>).
- 2016 Nature news featured our work on predicting toxic behavior in online games [61] in an article at <http://www.nature.com/news/can-a-video-game-company-tame-toxic-behaviour-1.19647>.
- 2016 Among others, Cloudflare made use of our HTTP/2 study [56] available at <http://isthewebhttp2yet.com> to describe their HTTP/2 deployment at <https://blog.cloudflare.com/cloudflares-impact-on-the-http-2-universe/>.
- 2014 MIT Technology Review selected the arXiv version of our EGG'14 paper [74] as "Other Interesting arXiv Papers (week ending in November, 1 2014)" at <http://www.technologyreview.com/view/532236/other-interesting-arxiv-papers-week-ending-november-1-2014/>.
- 2014 MIT Technology Review selected the arXiv version of our WWW'14 paper [61] as "Other Interesting arXiv Papers (week ending May, 3 2014)" at <http://www.technologyreview.com/view/527091/other-interesting-arxiv-papers-week-ending-may-3-2014/>.
- 2011 MIT Technology Review wrote an article on our technical report about cheaters in the Steam Community [89] at <http://www.technologyreview.com/blog/arxiv/27441/>. The article was picked up by multiple news aggregators, including ACM Technews at <http://cacm.acm.org/news/144710>.

Talks

- 2019 "Measuring and Understanding Hate Speech and Weaponized Information on the Web" - Department of Homeland Security S&T Data Analytic Series: Countering Online Disinformation and Influence Campaigns, Washington DC, USA
- 2018 "From Chaos, DRAMA: Data-driven Analysis for Advanced Modeling and Analysis" - Informatics Institute, University of Alabama at Birmingham, Birmingham, USA

- 2018 "Hate Speech and Weaponized Information in Online Communities" - University of Alabama at Birmingham Honors College, Birmingham, USA
- 2018 "Collecting, Studying, Tracking, and Analyzing Hate Speech and Computational Propaganda Online" - Netflix, California, USA
- 2018 "Data-driven Research for Advanced Modeling and Analysis or: How I Learned to Stop Worrying and Love The DRAMA" - University College London, London, United Kingdom
- 2016 "Informing Cyberbullying Research with Social/Psychological Insights" - CyberSafety 2016 co-located with CIKM 2016, Indianapolis.
- 2016 "Is the Web HTTP/2 yet? (And Does it Matter?)" - VarnishCon 2016, Amsterdam.
- 2016 "Is the Web HTTP/2 yet?" (with Matteo Varvello) - Traffic and Measurement Analysis PhD School, Louvain, Belgium.
- 2016 "Understanding and Predicting Cyberbullying and Other Toxic Behavior in Online Games" - ENCASE Kickoff, Cyprus.

Service

- Program Committees CSCW 2021-2023 (Area Chair), ICWSM 2018-2023 (Senior Program Committee since 2020), WWW 2015-2022, WebSci 2020-2023, IMC 2019 and 2021, ICDCS 2019, CoNEXT Student Workshop 2018, ICDCS 2019, Complex Networks 2018, Complex Networks 2017, MobiSys 2016, HotMiddlebox 2016
- Workshop Organizer Cyber Social Threats 2020-2023, CyberSafety 2019 (steering committee; co-located with WWW 2019, San Francisco), CyberSafety 2018 (co-located with WWW 2018, Lyon), CyberSafety 2017 (co-located with WWW 2017, Perth), CyberSafety 2016 (co-located with CIKM 2016, Indianapolis), Exploration on Games and Gamers 2014 (co-located with SocInfo 2014, Barcelona)
- Seminar Organizer Dagstuhl Seminar: Cybersafety in Modern Online Social Networks, 2017, Dagstuhl
- Reviewer Data Science, Transactions on Parallel and Distributed Systems, New Media in Society, The ACM Cloud and Autonomic Computing Conference, Computer Networks, Journal of Parallel and Distributed Computing, Super Computing, CSCW, CHI