Список литературы

- [1] Vorobyov, K., Gauthier, F., Bae, S., Krishnan, P., and O'Donoghue, R., Synthesis of java deserialisation filters from examples, in 46th IEEE Annual Computers, Software, and Applications Conferenc, COMPSAC 2022, Los Alamitos, CA, USA, June 27 July 1, 2022, edited by Leong, H. V. et al., pages 736–745, IEEE, 2022.
- [2] Gauthier, F. et al., Experience: Model-based, feedback-driven, greybox web fuzzing with backrest, in 36th European Conference on Object-Oriented Programming, ECOOP 2022, June 6-10, 2022, Berlin, Germany, edited by Ali, K. and Vitek, J., volume 222 of LIPIcs, pages 29:1–29:30, Schloss Dagstuhl Leibniz-Zentrum für Informatik, 2022.
- [3] Gauthier, F., Gogineni, V. C., Werner, S., Huang, Y., and Kuh, A., Resource-aware asynchronous online federated learning for nonlinear regression, in *IEEE International Conference on Communications*, *ICC 2022*, Seoul, Korea, May 16-20, 2022, pages 2828–2833, IEEE, 2022.
- [4] Gauthier, F. and Bae, S., Runtime prevention of deserialization attacks, in 44th IEEE/ACM International Conference on Software Engineering: New Ideas and Emerging Results ICSE (NIER) 2022, Pittsburgh, PA, USA, May 22-24, 2022, pages 71-75, IEEE, 2022.
- [5] Gauthier, F. and Bae, S., CoRR abs/2204.09388 (2022).
- [6] Allen, N., Gauthier, F., and Jordan, A., CoRR abs/2103.16240 (2021).
- [7] Gauthier, F. et al., CoRR abs/2108.08455 (2021).
- [8] Gauthier, F., Gogineni, V. C., Werner, S., Huang, Y., and Kuh, A., CoRR abs/2111.13931 (2021).
- [9] Gauthier, F., Gratton, C., Venkategowda, N. K. D., and Werner, S., Privacy-preserving distributed learning with nonsmooth objective functions, in 54th Asilomar Conference on Signals, Systems, and Computers, ACSCC 2020, Pacific Grove, CA, USA, November 1-4, 2020, edited by Matthews, M. B., pages 42–46, IEEE, 2020.
- [10] Gauthier, F. et al., Trade-offs in managing risk and technical debt in industrial research labs: an experience report, in *TechDebt '20: International Conference on Technical Debt, Seoul, Republic of Korea, June 28-30, 2020*, edited by Izurieta, C., Galster, M., and Felderer, M., pages 98–102, ACM, 2020.
- [11] Jordan, A., Gauthier, F., Hassanshahi, B., and Zhao, D., Unacceptable behavior: Robust PDF malware detection using abstract interpretation, in *Proceedings of the 14th ACM SIGSAC Workshop on Programming Languages and Analysis for Security, CCS 2019, London, United Kingdom, November 11-15, 2019*, edited by Mardziel, P. and Vazou, N., pages 19–30, ACM, 2019.
- [12] Nielsen, B. B., Hassanshahi, B., and Gauthier, F., Nodest: feedback-driven static analysis of node.js applications, in Proceedings of the ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, ESEC/SIGSOFT FSE 2019, Tallinn, Estonia, August 26-30, 2019, edited by Dumas, M., Pfahl, D., Apel, S., and Russo, A., pages 455-465, ACM, 2019.
- [13] Amadini, R. et al., Fundam. Informaticae 158 (2018) 297.
- [14] Dietrich, J., Gauthier, F., and Krishnan, P., Driver generation for java EE web applications, in 25th Australasian Software Engineering Conference, ASWEC 2018, Adelaide, Australia, November 26-30, 2018, pages 121–125, IEEE Computer Society, 2018.
- [15] Gauthier, F., Hassanshahi, B., and Jordan, A., AFFOGATO: runtime detection of injection attacks for node.js, in *Companion Proceedings for the ISSTA/ECOOP 2018 Workshops, ISSTA 2018, Amsterdam, Netherlands, July 16-21, 2018*, edited by Dolby, J., Halfond, W. G. J., and Mishra, A., pages 94–99, ACM, 2018.

- [16] Gauthier, F., Keynes, N., Allen, N., Corney, D., and Krishnan, P., Scalable static analysis to detect security vulnerabilities: Challenges and solutions, in 2018 IEEE Cybersecurity Development, SecDev 2018, Cambridge, MA, USA, September 30 - October 2, 2018, page 134, IEEE Computer Society, 2018.
- [17] Brent, L. et al., CoRR abs/1809.03981 (2018).
- [18] Jordan, A., Gauthier, F., Hassanshahi, B., and Zhao, D., CoRR abs/1810.12490 (2018).
- [19] Amadini, R. et al., Combining string abstract domains for javascript analysis: An evaluation, in Tools and Algorithms for the Construction and Analysis of Systems 23rd International Conference, TACAS 2017, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2017, Uppsala, Sweden, April 22-29, 2017, Proceedings, Part I, edited by Legay, A. and Margaria, T., volume 10205 of Lecture Notes in Computer Science, pages 41-57, 2017.
- [20] Steinhauser, A. and Gauthier, F., Jspchecker: Static detection of context-sensitive cross-site scripting flaws in legacy web applications, in *Proceedings of the 2016 ACM Workshop on Programming Languages and Analysis for Security, PLAS@CCS 2016, Vienna, Austria, October 24, 2016*, edited by Murray, T. C. and Stefan, D., pages 57–68, ACM, 2016.
- [21] Han, Z. et al., Evolutionary analysis of access control models: a formal concept analysis method, in Proceedings of 25th Annual International Conference on Computer Science and Software Engineering, CASCON 2015, Markham, Ontario, Canada, 2-4 November, 2015, edited by Gould, J., Litoiu, M., and Lutfiyya, H., pages 261–264, IBM / ACM, 2015.
- [22] Gauthier, F., Abdul-Nour, G., and Lagacé, D., Comput. Ind. Eng. 78 (2014) 234.
- [23] Gauthier, F., Merlo, E., Stroulia, E., and Turner, D., Supporting maintenance and evolution of access control models in web applications, in 30th IEEE International Conference on Software Maintenance and Evolution, Victoria, BC, Canada, September 29 - October 3, 2014, pages 506– 510, IEEE Computer Society, 2014.
- [24] Gauthier, F., Lavoie, T., and Merlo, E., Uncovering access control weaknesses and flaws with security-discordant software clones, in *Annual Computer Security Applications Conference*, *ACSAC '13, New Orleans, LA, USA, December 9-13, 2013*, edited by Jr., C. N. P., pages 209–218, ACM, 2013.
- [25] Gauthier, F. and Merlo, E., Semantic smells and errors in access control models: a case study in PHP, in 35th International Conference on Software Engineering, ICSE '13, San Francisco, CA, USA, May 18-26, 2013, edited by Notkin, D., Cheng, B. H. C., and Pohl, K., pages 1169–1172, IEEE Computer Society, 2013.
- [26] Gauthier, F., Gélinas, D., and Marcotte, P., Comput. Ind. Eng. 62 (2012) 762.
- [27] Gauthier, F. and Merlo, E., Investigation of access control models with formal concept analysis: A case study, in 16th European Conference on Software Maintenance and Reengineering, CSMR 2012, Szeged, Hungary, March 27-30, 2012, edited by Mens, T., Cleve, A., and Ferenc, R., pages 397–402, IEEE Computer Society, 2012.
- [28] Gauthier, F. and Merlo, E., Alias-aware propagation of simple pattern-based properties in PHP applications, in 12th IEEE International Working Conference on Source Code Analysis and Manipulation, SCAM 2012, Riva del Garda, Italy, September 23-24, 2012, pages 44-53, IEEE Computer Society, 2012.
- [29] Letarte, D., Gauthier, F., Merlo, E., Sutyanyong, N., and Zuzarte, C., Targeted genetic test SQL generation for the DB2 database, in *Proceedings of the Fifth International Workshop on Testing Database Systems, DBTest 2012, Scottsdale, AZ, USA, May 21, 2012*, edited by Lo, E. and Waas, F., page 5, ACM, 2012.

- [30] Gauthier, F. and Merlo, E., Fast detection of access control vulnerabilities in PHP applications, in 19th Working Conference on Reverse Engineering, WCRE 2012, Kingston, ON, Canada, October 15-18, 2012, pages 247–256, IEEE Computer Society, 2012.
- [31] Letarte, D., Gauthier, F., and Merlo, E., Security model evolution of PHP web applications, in Fourth IEEE International Conference on Software Testing, Verification and Validation, ICST 2011, Berlin, Germany, March 21-25, 2011, pages 289–298, IEEE Computer Society, 2011.
- [32] Gauthier, F., Letarte, D., Lavoie, T., and Merlo, E., Extraction and comprehension of moodle's access control model: A case study, in *Ninth Annual Conference on Privacy, Security and Trust, PST 2011, 19-21 July, 2011, Montreal, Québec, Canada*, pages 44–51, IEEE, 2011.