Sean Kross

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RESEARCH INTERESTS

Human-computer interaction, data science, online learning, cybersecurity

ACADEMIC POSITIONS

01/2018 –	**The Johns Hopkins Bloomberg School of Public Health**, Baltimore, MD Associate Faculty of Biostatistics
01/2017 – 05/2017	**The University of Pennsylvania School of Design**, Philadelphia, PA Adjunct Faculty of Design

EDUCATION

09/2017 –	**The University of California, San Diego**, La Jolla, CA Ph.D. in Cognitive Science Advisor: Philip Guo
06/2012 – 05/2015	**The University of Maryland, College Park**, College Park, MD Bachelor of Science in Computer Science
09/2008 – 05/2012	**New York University**, New York, NY Bachelor of Arts in Biology

AWARDS AND HONORS

05/2019	CHI Honorable Mention Paper Award [C.7]
05/2012	New York University President's Service Award

PRIOR EMPLOYMENT

09/2015 – 09/2017	**The Johns Hopkins Bloomberg School of Public Health**, Baltimore, MD Chief Technology Officer – Johns Hopkins Data Science Lab
01/2014 – 07/2015	**University of Maryland**, College Park, MD Research Assistant – Computational Biology Group – Advisor: Mihai Pop
01/2012 – 05/2012	**New York University**, New York, NY Research Assistant – Genomics Group – Advisor: Patrick Eichenberger

PUBLICATIONS

CONFERENCE PAPERS

C.8 **Sean Kross** and Philip J. Guo. End-User Programmers Repurposing End-User Programming Tools to Foster Diversity in Adult End-User Programming Education. In Proceedings of VL/HCC 2019: *IEEE Symposium on Visual Languages and Human-Centric Computing*, October 2019. Memphis, TN, USA.

C.7 **Sean Kross** and Philip J. Guo. Practitioners Teaching Data Science in Industry and Academia: Expectations, Workflows, and Challenges. In Proceedings of CHI 2019: *ACM Conference on Human Factors in Computing Systems*, May 2019. Glasgow, UK.
(**Honorable Mention Paper Award**)

C.6 Elissa M. Redmiles, **Sean Kross**, Michelle L. Mazurek. How Well Do My Results Generalize? Comparing Security and Privacy Survey Results from MTurk, Web, and Telephone Samples. In Proceedings of S&P 2019: *IEEE Symposium on Security and Privacy*, May 2019. San Francisco, CA, USA.

C.5 Elissa M. Redmiles, Ziyun Zhu, **Sean Kross**, Dhruv Kuchhal, Tudor Dumitras, Michelle L. Mazurek. Asking for a Friend: Evaluating Response Biases in Security User Studies. In Proceedings of CCS 2018: *ACM Conference on Computer and Communications Security*, October 2018. Toronto, ON, Canada.

C.4 **Sean Kross** and Philip J. Guo. Students, Systems, and Interactions: Synthesizing the First Four Years of Learning@Scale and Charting the Future. In Proceedings of L@S 2018: *ACM Conference on Learning at Scale*, June 2018. London, UK.

C.3 Elissa M. Redmiles, **Sean Kross**, Michelle L. Mazurek. Where is the Digital Divide? Examining the Impact of Socioeconomics on Security and Privacy Outcomes. In Proceedings of CHI 2017: *ACM Conference on Human Factors in Computing Systems*, May 2017. Denver, CO, USA.

C.2 Elissa M. Redmiles, **Sean Kross**, Michelle L. Mazurek. How I Learned to be Secure: a Census-Representative Survey of Security Advice Sources and Behavior. In Proceedings of CCS 2016: *ACM Conference on Computer and Communications Security*, October 2016. Vienna, Austria.

C.1 Elissa Redmiles, Mary Allison Abad, Isabella Coronado, **Sean Kross**, Amelia Malone. A Classroom Tested Accessible Multimedia Resource for Engaging Underrepresented Students in Computing. In Proceedings of SIGCSE 2015: *ACM Conference on Computer Science Education*, March 2015. Kansas City, MO, USA.

PREPRINTS AND TECHNICAL REPORTS

P.2 Elissa M. Redmiles, Lisa Maszkiewicz, Emily Hwang, Dhruv Kuchhal, Everest Liu, Miraida Morales, Denis Peskov, Sudha Rao, Rock Stevens, Kristina Gligoric, **Sean Kross**, Michelle L. Mazurek, Hal Daum III. Digital Words: Moving Forward with Measuring the Readability of Online Texts. In *Technical Reports of the University of Maryland Computer Science Department*, October 2018.

P.1 **Sean Kross**, Roger D. Peng, Brian S. Caffo, Ira Gooding, Jeffery T. Leek. The Democratization of Data Science Education. In *PeerJ Preprints*, August 2017.

BOOKS

B.2 **Sean Kross**. The Unix Workbench. Leanpub, 2017.

B.1 Roger D. Peng, **Sean Kross**, Brooke Anderson. Mastering Software Development in R. Leanpub, 2017.

TALKS
- The Lean Course: Open and Collaborative Online Course Development. *Joint Statistical Meetings*, Vancouver, BC, Canada, July 2018.
- Lessons from Teaching Data Science to Over a Million People. *Crunch Conference*, Budapest, Hungary, October 2017.

- Beyond Axes: Simulating Systems with Interactive Graphics. *Joint Statistical Meetings*, Baltimore, MD, August 2017.
- Re-thinking the Value Added by a Data Repository. *Dataverse Community Meeting*, Cambridge, MA, June 2017.
- Scaling Data Science Education. *Seminrio Internacional de Estatstica*, Rio de Janeiro, Brazil, May 2016.

TEACHING

INSTRUCTOR

- Johns Hopkins University on Coursera.org: The Unix Workbench (Continually since Summer 2017)
- The University of Pennsylvania MUSA 850: Data Wrangling and Data Visualization (Spring 2017)

TEACHING ASSISTANT

- UCSD COGS 9: Introduction to Data Science (Winter 2019)
- UCSD COGS 120/CSE 170: Human-Computer Interaction Design (Fall 2017, 2018)
- UCSD COGS 121 Human-Computer Interaction Programming Studio (Spring 2018)