

Curriculum Vitae

Alex Kigerl, Ph.D.

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Olympia, WA 98502

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EDUCATION

2014	Ph.D. Criminal Justice and Criminology	Washington State University
2010	M.S. Criminology and Criminal Justice	Portland State University
2008	B.S. Sociology	Portland State University
2007	B.S. Psychology	Portland State University

PEER REVIEWED PUBLICATIONS

Kigerl, Alex (2018). Email Spam Origins: Does the CAN SPAM Act Shift Spam Beyond United States Jurisdiction? *Trends in Organized Crime*, 21(1), 62-78.

Kigerl, Alex (2017). Profiling Cybercriminals: Topic Model Clustering of Carding Forum Member Comment Histories. *Social Science Computer Review*, DOI: 10.1177/0894439317730296.

van Wormer, Jacqueline, **Alex Kigerl** & Zachary Hamilton (2017). Digging Deeper: Exploring the Value of Prison-Based Dog Handler Programs. *The Prison Journal*, DOI: 10.1177/0032885517712481.

Kigerl, Alex (2016). Cybercrime Nation Typologies: K-Means Clustering of Countries Based on Cybercrime Rates. *International Journal of Cyber Criminology*, 10(2), 147-169.

Kigerl, Alex (2016). Detering Spammers: Impact Assessment of the CAN SPAM Act on Email Spam Rates. *Criminal Justice Policy Review*, 27(8), 791-811.

Hamilton, Zachary, Christopher Campbell, Jacqueline van Wormer, **Alex Kigerl**, Brianne Posey (2016). The Impact of Swift and Certain Sanctions: An Evaluation of Washington State's Policy for Offenders on Community Supervision. *Criminology and Public Policy*, DOI: 10.1111/1745-9133.12245.

Kigerl, Alex & Zachary Hamilton (2016). Triaging Psychiatric Care: Risk Assessment Construction and Validation for Washington's Involuntary Treatment and Forensic Commitment Populations. *International Journal of Offender Therapy and Comparative Criminology*, DOI: 10.1177/0306624X16628237.

Kigerl, Alex & Zachary Hamilton (2015). The Impact of Transfers between Prisons on Inmate Misconduct: Testing Importation, Deprivation, and Transfer Theory Models. *The Prison*

Journal, DOI: 10.1177/0032885515618466.

Hamilton, Zachary, **Alex Kigerl**, Michael Campagna, Robert Barnoski, Stephen Lee, Jacqueline van Wormer & Lauren Block (2015). Designed to Fit: The Development and Validation of the STRONG-R Recidivism Risk Assessment. *Criminal Justice and Behavior*, DOI: 10.1177/0093854815615633.

Kigerl, Alex (2015). Evaluation of the CAN SPAM Act: Testing Deterrence and Other Influences of Email Spammer Legal Compliance Over Time. *Social Science Computer Review*, 33(4), 440-458.

Hamilton, Zachary, **Alex Kigerl** & Zachary Hays (2015). Removing Release Impediments and Reducing Correctional Costs: Evaluation of Washington State's Housing Voucher Program. *Justice Quarterly*, 32(2), 255-287.

Kigerl, Alex (2013). Infringing Nations: Predicting Software Piracy Rates, BitTorrent Tracker Hosting, and P2P File Sharing Client Downloads Between Countries. *International Journal of Cyber Criminology*, 7(1), 62-80.

Kigerl, Alex (2012). Routine Activity Theory and the Determinants of High Cybercrime Countries. *Social Science Computer Review*, 30(4), 470-486.

Kigerl, Alex (2009). CAN SPAM Act: An Empirical Analysis. *International Journal of Cyber Criminology*, 3(2), 566-589.

Publications can be read on ResearchGate: https://www.researchgate.net/profile/Alex_Kigerl
Google Scholar Profile: <https://scholar.google.com/citations?user=0gKphwoAAAAJ>

MANUSCRIPTS UNDER REVIEW

Kigerl, Alex. Balancing Education and Justice: Juvenile Court Dispositions on Subsequent Offending, Secondary Education, and Postsecondary Education Outcomes. Submitted to *Youth Justice* on April 11, 2018.

Neuilly, Melanie-Angela, Ming-Li Hsieh, **Alex Kigerl**, Zachary Hamilton. Testing Missingness Pattern: Non-Ignorable Missingness Exists in a Primary Collection Homicide Dataset. Submitted to *Violence and Victims* on November 3, 2017.

Kigerl, Alex. Routine Activity Theory and Malware, Fraud, and Spam at the National Level. Submitted to the *International Journal of Cyber Criminology* on October 28, 2017.

TECHNICAL REPORTS

- McCurley, Carl, **Alex Kigerl**, Andrew Peterson (2017). Students Before and After Juvenile Court Dispositions: Student Characteristics, Education Progress, Juvenile Court Dispositions, and Education Outcomes in Washington State. *Center for Court Research, Administrative Office of the Courts*. Olympia, WA.
- Hamilton, Zachary, **Alex Kigerl** (2016). Development and Validation of the Nebraska Department of Correctional Services Prison Classification System. *Nebraska Department of Correctional Services*. Lincoln, NE.
- Hamilton, Zachary, Jacqueline van Wormer, **Alex Kigerl**, Christopher Campbell & Brianne Posey (2015). Evaluation of Washington State Department of Corrections (WADOC) Process, Outcome and Cost-Benefit Evaluation Swift and Certain (SAC) Policy. *Washington Department of Corrections*. Olympia, WA.
- Kigerl, Alex & Zachary Hamilton** (2015). Risk Assessment Validation for Washington's Involuntary Treatment and Forensic Commitment Populations – Phase 1 Technical Report. *Washington State Institute for Public Policy*. Olympia, WA.
- Hamilton, Zachary, Jacqueline van Wormer, **Alex Kigerl**, Michael Campagna, Robert Barnoski, Lauren Block & Stephen Lee (2014). The STRONG-R Recidivism Risk Assessment. *Washington State Department of Corrections*. Olympia, WA.
- van Wormer, Jacqueline & **Alex Kigerl** (2014). Washington State Department of Corrections Dog Handlers Outcome Report. *Washington Department of Corrections*. Olympia, WA.
- Hamilton, Zachary, **Alex Kigerl** & Christopher Campbell (2014). The Gender Responsive Initiative's Women's Risk and Needs Assessment Instrument Pilot. *Washington State Department of Corrections*. Olympia, WA.

GRANTS AND CONTRACTS

- Hamilton, Zachary, **Alex Kigerl**, Jacqueline van Wormer (January, 2016). Washington State Offender Risk Assessment Project. *Washington State Department of Corrections*. Tumwater, WA. \$150,000, Accepted.
- Kigerl, Alex** (July, 2015). Fraud and Malware through Spam: Evaluating Federal Cybercrime Laws. *National Science Foundation, Law and the Social Sciences Section*, Solicitation 15-514. Amount requested: \$108,845, Not funded.
- Hamilton, Zachary & **Alex Kigerl** (October, 2013). Involuntary Treatment Act Risk Assessment. *Washington State Institute of Public Policy*. Olympia, WA. \$80,000, Accepted.
- Hamilton, Zachary, & **Alex Kigerl** (October, 2013). Women's Risk-Need Assessment. *Washington State Department of Corrections*. Tumwater, WA. \$68,000, Accepted.

EDITED VOLUMES

- Kigerl, Alex** (2017). Malicious Spam: The Impact of Prosecuting Spammers on Fraud and Malware Contained in Email Spam. Chapter 3 in Saadawi, T. & Colwell, J. D (Ed.). *Cyber Infrastructure Protection*, Volume 3. Strategic Studies Institute and U.S. Army War College Press.
- Kigerl, Alex** (2013). Cybercrime: High Tech Crime in the Information Age. Chapter 9 in Helfgott, J. B. (Ed.). *Criminal Psychology*, Volume 2. Westport, CT: Praeger Publishers.
- Lutze, Faith & **Alex Kigerl** (2013). The Psychology of Prisoner Reentry. Chapter 13 in Helfgott, J. B. (Ed.). *Criminal Psychology*, Volume 4. Westport, CT: Praeger Publishers.

INVITED PRESENTATIONS

- Kigerl, Alex** (2015). Malicious Spam: The Impact of Prosecuting Spammers on Fraud and Malware Contained in Email Spam. *Cyber Infrastructure Protection Conference*. City University of New York. New York, NY.

CONFERENCE PRESENTATIONS

- Zachary Hamilton, Mia Abboud, **Alex Kigerl**, & Jacqueline van Wormer (2017). The SAFER Pretrial Assessment Tool. *American Society of Criminology*. Philadelphia, PA.
- Van Wormer, Jacqueline, Zachary Hamilton, **Alex Kigerl**, Christopher Campbell, & Brianne Posey (2015). Evaluation of Washington State's Swift and Certain Policy for Community Supervision of Offenders. *American Society of Criminology*. Washington, DC.
- Kigerl, Alex** (2014). Evaluation of the CAN SPAM Act: Testing Deterrence and Other Influences of Email Spammer Behavior Over Time. *American Society of Criminology*. San Francisco, CA.
- Hamilton, Zachary, Michael Campagna, **Alex Kigerl** & Elizabeth Tollesbol (2014). The STRONG-N Stand-Alone Needs Assessment. *American Society of Criminology*. San Francisco, CA.
- Hamilton, Zachary, **Alex Kigerl**, Michael Campagna, Robert Barnoski, Lauren Block & Stephen Lee (2014). The Washington State Risk-Needs System: STRONG-R. *Academy of Criminal Justice Sciences*. Philadelphia, PA.
- Hamilton, Zachary & **Alex Kigerl** (2014). The Washington State Risk-Needs System for Prison Infractions: STRONG-R-PI. *Academy of Criminal Justice Sciences*. Philadelphia, PA.
- Hamilton, Zachary, Ming-Li Hsieh, **Alex Kigerl** & Andrea Walker (2014). The Washington State Risk-Needs System for Sex Offenders: STRONG-R-SO. *Academy of Criminal Justice Sciences*. Philadelphia, PA.

Kigerl, Alex & Zachary Hamilton (2013). The Impact of Transfers between Prisons on Inmate Misconduct: Testing Importation, Deprivation, and Transportation Models. *American Society of Criminology*. Atlanta, GA.

Kigerl, Alex (2013). Infringing Nations: Predicting Software Piracy Rates, BitTorrent Tracker Hosting, and P2P File Sharing Client Downloads Between Countries. *Wiley Research Exposition*. Pullman, WA.

Hamilton, Zachary, **Alex Kigerl** & Zachary Hays (2012). Evaluation of Washington State's Earned Release Date Housing Voucher Program. *American Society of Criminology*. Chicago, IL.

Schaefer, Roger, **Alex Kigerl** & Amber Morczek (2012). Examining the Relationship Between Victim-Offender Relationship and Recidivism Type Among Child-Based Sex Offenders. *American Society of Criminology*. Chicago, IL.

SKILLS

Statistical Packages and Programming: R, SPSS with Python, SAS, Stata

Databases: SQL, TSQL, SQL Server, MySQL, SQLite, Access

Computer Programming and Web Development

- Knowledge of multiple programming and markup languages for web, desktop, and mobile based applications
- Datasets: Experience building datasets with third generation programming languages such as PERL, Python, VBA, Java, and R
- Surveys: Programmed both desktop and online surveys to collect self-report data in C++, C#, and PHP

Microsoft Office Suite: VBA programming skills for writing macros in Access, Excel, and Word

Distributed Computing Systems: AWS, Python, MapReduce, Hadoop, HDFS

EXPERIENCE

2014.08 – Present **Assistant Research Professor**, Washington State University, Spokane, WA
Data Scientist, Washington State Institute for Criminal Justice Research

2016.01 – 2016.10 **Research Consultant**, Nebraska Department of Corrections

2015.11 – 2016.09 **Research Consultant**, Tennessee Department of Corrections

- 2012.01 – 2014.07 **Research Assistant**, Washington State University, Pullman, WA
- Managed the data warehouse for the Washington State Department of Corrections database provided to the Criminal Justice and Criminology department at WSU
 - Built datasets from among the 400+ tables of the database upon faculty request for research purposes using Python, SPSS, and SAS as needed
 - Conducted statistical analysis for select projects in R
 - Developed a bootstrapping feature selection algorithm in R for selecting items for an offender risk assessment provided to the Washington Department of Correction

SERVICE

Ad Hoc Reviewer	<i>Computers in Human Behavior</i>	2018
Ad Hoc Reviewer	<i>Criminology and Public Policy</i>	2017
Ad Hoc Reviewer	<i>Sociological Spectrum</i>	2016
Ad Hoc Reviewer	<i>Justice Quarterly</i>	2016
Ad Hoc Reviewer	<i>International Journal of Cyber Criminology</i>	2016
Ad Hoc Reviewer	<i>American Journal of Criminal Justice</i>	2015
Ad Hoc Reviewer	<i>Journal of Criminal Justice</i>	2014
Ad Hoc Reviewer	<i>International Journal of Cyber Criminology</i>	2014
Ad Hoc Reviewer	<i>International Journal of Sociology and Anthropology</i>	2013
Guest Lecture	<i>CrmJ 321: Quantitative Methods for Criminal Justice</i>	2013
Ad Hoc Reviewer	<i>Annals of Telecommunications</i>	2013
Ad Hoc Reviewer	<i>Criminal Justice Policy Review</i>	2013
Ad Hoc Reviewer	<i>Information</i>	2012
Ad Hoc Reviewer	<i>Social Science Computer Review</i>	2012
Ad Hoc Reviewer	<i>International Journal of Cyber Criminology</i>	2011

AWARDS

2014 Outstanding Doctoral Student, Washington State University, Department of Criminal Justice and Criminology

PROFESSIONAL MEMBERSHIPS

2012 – Present	American Society of Criminology	(ASC)
2009 – Present	White Collar Crime Research Consortium	(WCCRC)