Brendan O'Connor

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Experience

Chief Technical Officer / DSS   2010 -

Malice Afterthought, Inc.

Malice Afterthought provides software and security consulting services to a range of clients, from small businesses to large corporations, in addition to creating and releasing its own commercial and open source software. From January - July 2011, I taught at a Department of Defense information and network warfare (CNO) school. In January, 2012, I won a DARPA Cyber Fast Track research proposal to fund research entitled 'Reticle: Leaderless Command and Control,' and in November, 2012 an additional CFT proposal entitled 'NOM: Novel Object Mapping.' That research, culminating in the CreepyDOL platform, continued through 2014. In 2016, I began a new research and development effort for a flexible IoT platform.

Senior Security Advisor   2014 - 2016

Leviathan Security Group

I worked as a Senior Security Advisor in Leviathan's Risk and Advisory Services group, where I advised enterprise clients on risk and compliance (GRC), security strategy, and policy, including responding to their clients' and vendors' security assessments and audits, and assisting with security questions for client engineering teams. I also took one client through a first-time SOC 2 Type II audit process, including designing internal controls, identifying necessary remediation activities before the audit period, and eventually working with the on-site audit team. My clients spanned compliance areas, including ISO 27000-series, HIPAA, SSAE-16, PCI, and others. In addition, I co-wrote four whitepapers on forced data localization as it affects security, available at http://www.valueofcloudsecurity.com. From 2014 until mid-2015, I worked as a Senior Security Consultant on Leviathan's Technical Services team.

Senior Research Associate   2009 - 2010

SET Corporation

I worked as a technical lead on software projects in a variety of areas, including natural language processing and user modeling, and a project to create an augmented reality application to add real-time data and intelligence analysis to a multi-viewpoint 3D holographic display, using the iPhone 3GS as a controller. SET worked primarily for the defense and intelligence communities.

Selected Presentations

Security by Consent; or, Peel's Principles of Security Operations

SecTor - Toronto, ON, Canada   October 18, 2016

O'Reilly Security New York - New York, NY   November 2, 2016

O'Reilly Security Amsterdam - Amsterdam, Netherlands   November 10, 2016

How to create and maintain a security operation within a larger organization that focuses on cooperation and consent, rather than coercion, based upon the 'policing by consent' model created in 1820s England.

Xenophobia is Hard on Data

SecTor - Toronto, ON, Canada   October 21, 2015

With James Arlen. Examination of forced data localization laws, their nature, their origins, and their effects on confidentiality, availability, and integrity of data, as well as the cost of doing business in a global marketplace.

Endrun—Secure Digital Communications For Our Modern Dystopia

Black Hat Europe - Amsterdam, Netherlands   October 17, 2014

With Grant Dobbe. Censorship-resistant communications based on the Delay-Tolerant Networking concept.

Stalking a City for Fun and Frivolity

DEF CON - Las Vegas, NV   August 3, 2013

LASCON - Austin, TX   October 24, 2013

Distributed sensor network data acquisition, filtering, and visualization, with several security applications. This presentation addressed the architecture and collection aspects of the CreepyDOL system, as well as the implications for global surveillance states and engineering as a profession.

CreepyDOL: Cheap, Distributed Stalking

Black Hat USA - Las Vegas, NV   August 1, 2013

Distributed sensor network data acquisition, filtering, and visualization, with several security applications. This presentation addressed the architecture and collection aspects of the CreepyDOL system.

Education

Juris Doctor, Cum Laude   September 2011 - May 2014

The University of Wisconsin - Madison

Master of Science in Engineering in Computer Science   September 2005 - May 2009

The Johns Hopkins University

Bachelor of Science in Computer Science   September 2004 - May 2008

The Johns Hopkins University

Certifications

Attorney and Counselor-at-Law

State Bar of Montana   2015-09-21

Certified Information Systems Auditor (CISA)

Information Systems Audit and Control Association   2016-08-12

Certificate of Cloud Security Knowledge (CCSK)

Cloud Security Alliance   2016-02-20

Certified Information Privacy Professional U.S. Government (CIPP/G)

International Association of Privacy Professionals   2016-01-11

Certified Information Privacy Professional U.S. Private Sector (CIPP/US)

International Association of Privacy Professionals   2015-12-14

Certified Information Systems Security Professional (CISSP)

International Information Systems Security Certification Consortium (ISC(2))   2012-07-20