

Sean O'Brien

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PGP: 2334 F95E 580C 5130 FCAB D5C6 5C48 755A 03C4 314C

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| EDUCATION | University of South Africa , Pretoria, Gauteng, ZA | |
| | Ph.D. Student, Law | Current |
| | Focus: Technology and Comparative International Law | |
| | University of Connecticut , Storrs, Connecticut, USA | |
| | M.A.Ed., Educational Technology | 2008 |
| | Focus: Command Line Literacy | |
| | B.A., Interactive Digital Media | 2005 |
| | Concentration: Creative Writing | |
| EXPERIENCE | Purism SPC , San Francisco, California & Seattle, Washington, USA | |
| | Director of Business Development | Oct 2018 – Present |
| | Purism sells high-quality privacy, security, and freedom-focused computers and software. PureOS is a user friendly, secure, and freedom-respecting operating system. Librem 5, the world's first ethical, user-controlled smartphone will be shipped in 2019. | |
| | Yale University , New Haven, Connecticut, USA | |
| | Lecturer in Law, Yale Law School | Aug 2018 – Present |
| | Developing curriculum with Prof. Scott J. Shapiro for Cybersecurity, LAW 20310 Hands-on learning via Raspberry Pi, Debian GNU/Linux, FreedomBox, and Kali Linux penetration testing. Development of custom software, network topology, and lab design. | |
| | Visiting Fellow, Yale Privacy Lab | Jun 2017 – Present |
| Founder of this initiative of the Information Society Project, focusing on privacy and security. Digital forensic analysis of Android applications, with press in 80+ international news outlets. Design of cybersecurity and Surveillance Self-Defense curriculum, emphasis on censorship circumvention. | | |
| | Asst. Director of Technology, International Students & Scholars | Jan 2013 – Oct 2018 |
| Drupal development and design of custom Web applications. Deployment of middleware for various systems and databases (fsaATLAS, Banner, Workday). Improvement of inter-office communication (Jabber/XMPP, wikis, phpBB). | | |
| | University of Connecticut , Storrs, Connecticut, USA | |
| | Website Manager, Student Financial Aid Services | Aug 2001 – Jan 2013 |
| Design and maintenance of multiple websites, blogs, and wikis. Systems administration with GNU/Linux and Apache, desktop repair and troubleshooting. Development of custom Web applications, integration with Oracle/PeopleSoft. | | |
| TECHNICAL SKILLS | <i>Development:</i> HTML, CSS, jQuery, Angular, React, Node, Bootstrap, PHP, Ruby, Python | |
| | <i>Content Management:</i> Drupal, WordPress, MediaWiki, Ghost | |
| | <i>Data:</i> MySQL/MariaDB, PostgreSQL, MongoDB, JSON, XML, R | |
| | <i>Servers:</i> GNU/Linux (Ubuntu, Debian, SuSE, Red Hat), Unix, Windows Server | |
| | <i>Office:</i> LibreOffice/OpenOffice, MS Office, Adobe Acrobat, L ^A T _E X | |
| | <i>Graphics:</i> GIMP, Inkscape, Adobe Creative Suite (Photoshop, Illustrator, InDesign) | |
| | <i>Desktop & Mobile:</i> Ubuntu, Debian, Windows, Mac OSX, Android, iOS | |
| PRESS & PUBLICATIONS | “Cybersecurity Class Hacks Raspberry Pi Smart Pumpkin” <i>BoingBoing</i> | Nov 2018 |
| | “At MozFest, Spend 7 Days Exploring Internet Health” <i>Mozilla Blog</i> | Oct 2018 |

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| “Privacy Up-Settings: When Private Becomes A Selling Point” <i>India Times</i> | Sep 2018 |
| “EBGAP: Error Between Google and Privacy” <i>BoingBoing</i> | Aug 2018 |
| “Google weiss, wo Sie jetzt gerade sind” <i>SonntagsZeitung</i> | Aug 2018 |
| “What You Can Do To Prevent Google From Tracking Your Phone” <i>Popular Science</i> | Aug 2018 |
| “Google Tracks Users Who Turn Off Location History” <i>BBC World Radio</i> | Aug 2018 |
| “Every Move You Make, Every Step You Take, Google’s Tracking You” <i>NPR AirTalk</i> | Aug 2018 |
| “Google Stores Users’ Location Regardless of Privacy Settings” <i>Consumer Affairs</i> | Aug 2018 |
| “Google Tracks Your Movements, Like It or Not” <i>Associated Press Exclusive</i> | Aug 2018 |
| “Hard Questions of Privacy and Freedom with the Yale Privacy Lab Podcast” <i>BoingBoing</i> | Aug 2018 |
| “Yale Cyber Leadership Forum Reports on Key Areas of Cyber Risk” <i>Yale News</i> | Jul 2018 |
| “The Critical Flaw in India’s Mobile Security” <i>Economic Times</i> | Jul 2018 |
| “Facebook Domination vs. Self-Determination” <i>BoingBoing</i> | Jul 2018 |
| “GDPR: Don’t Forget To Bring a Towel!” <i>BoingBoing</i> | May 2018 |
| “Episode 41: Ultrasonic Tracking” <i>Twenty Thousand Hertz</i> | Apr 2018 |
| “The Secret Sharers: Are Your Favorite Apps Watching You?” <i>Yale Alumni Magazine</i> | Mar 2018 |
| “BSNL Cyber Security Could Have Been Fixed Two Years Ago” <i>Business Today</i> | Mar 2018 |
| “Bad Aadhaar Cybersecurity Tramples on the Right to Privacy” <i>Business Today</i> | Feb 2018 |
| “Reviving the Independence of Cyberspace” <i>BoingBoing</i> | Feb 2018 |
| “Love, Sex, and Trackers - Tinder and Other Dating Apps Are Spies In Your Bedroom” <i>BoingBoing</i> | Jan 2018 |
| “Android Users: To Avoid Malware, Ditch Google’s App Store” <i>WIRED</i> | Jan 2018 |
| “Apple Health Data Is Being Used as Evidence in a Rape and Murder Investigation” <i>Motherboard/VICE</i> | Jan 2018 |
| “How And Why Apple, Google, And Facebook Follow You Around In Real Life” <i>Fast Company</i> | Dec 2017 |
| “The Targets of Mobile Apps: Your Health, Your Ancestors, and Your Baby” <i>Motherboard/VICE</i> | Dec 2017 |

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| “Gillette Knows Whether You Shave Because Tinder Told It About You” <i>CBC Spark</i> | Dec 2017 |
| “Three Quarters of Android Apps Track Users with Third Party Tools – Study” <i>The Guardian</i> | Nov 2017 |
| “Uber, Tinder, Snapchat and Other Top Apps Include Trackers That Secretly Watch Everything Users Do” <i>The Independent</i> | Nov 2017 |
| “Surprise: Android Apps Are Riddled with Trackers” <i>The Register</i> | Nov 2017 |
| “Les mouchards des applications mobiles - nous rapprochent d’un monde à la Minority Report” <i>Le Monde</i> | Nov 2017 |
| “Staggering Variety of Clandestine Trackers Found in Popular Android Apps” <i>The Intercept</i> | Nov 2017 |

TEACHING & PRESENTATIONS

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| Cybersecurity, LAW 20310, Yale Law School <i>Lecturer</i> | Aug 2018 – Present |
| “Privacy Lab: Digital Self-Defense Workshop”, Information Society Project at Yale Law School <i>Workshop Facilitator</i> | Nov 2018 |
| “Privacy Lab: Mobile App Analysis”, Yale Center for Engineering Innovation and Design <i>Workshop Facilitator</i> | Nov 2018 |
| “Tracking Mobile Trackers”, Mozilla Festival 2018 <i>Invited Speaker</i> | Oct 2018 |
| “Privacy Lab: Mapping Surveillance Devices”, Information Society Project at Yale Law School <i>Workshop Facilitator</i> | Oct 2018 |
| “FreedomBox, Your Private Server”, Information Society Project at Yale Law School <i>Workshop Facilitator</i> | Oct 2018 |
| “Privacy Lab: Tracking Mobile Trackers”, Information Society Project at Yale Law School <i>Workshop Facilitator</i> | Sep 2018 |
| “Penetration Testing with the Raspberry Pi”, NewHaven.io, MakeHaven <i>Invited Speaker</i> | Jul 2018 |
| “Privacy Through Action: Proactive Strategy”, Guggenheim Securities <i>Invited Speaker</i> | Jun 2018 |
| “Facebook Surveillance: Cambridge Analytica and Privacy”, Yale School of Management <i>Invited Speaker</i> | Apr 2018 |
| “Interactive Cyber Attack Simulation”, Yale Cyber Leadership Forum <i>Invited Speaker</i> | Apr 2018 |
| “Exposing Hidden Surveillance in Mobile Apps”, LibrePlanet Conference, MIT <i>Invited Speaker</i> | Mar 2018 |
| “Resolved: Protect Net Neutrality”, Yale Political Union <i>Invited Speaker</i> | Jan 2018 |
| “Cyber Freedom & Security”, Information Society Project at Yale Law School <i>Instructor</i> | Fall 2017 |
| “Privacy Lab: International Students & Scholars”, International Center, Yale University <i>Workshop Facilitator</i> | Nov 2017 |
| “Privacy Lab: Information Systems”, Quinnipiac University <i>Guest Lecturer</i> | Oct 2017 |

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| | “Privacy Lab Skillshare: Digital Self-Defense”, Information Society Project at Yale Law School <i>Workshop Facilitator</i> | Sep 2017 |
| | “Privacy Lab: Library Freedom”, Yale Law Library <i>Workshop Facilitator</i> | Aug 2017 |
| | “Citizen FOSS: What Snowden Knew”, Information Society Project at Yale Law School <i>Instructor</i> | Spring 2017 |
| | “What Snowden Knew: Privacy, Anonymity, & Freedom”, RebLaw Conference, Yale Law School <i>Invited Speaker</i> | Feb 2016 |
| | “Stay Secure! Digital Survival”, International Center, Yale University <i>Workshop Facilitator</i> | Nov 2015 |
| | “Free/Open-Source Software”, NAFSA Regional Conference, New Britain, Connecticut, USA <i>Invited Speaker</i> | Oct 2015 |
| | “Thomson Reuters Speakers Series: Cryptography & Open-Source Solutions”, Yale Law School <i>Invited Speaker</i> | Oct 2014 |
| | “New Haven Software Freedom Day”, Free Software Foundation & MakeHaven <i>Organizer</i> | Sep 2014 |
| | “Cryptoparty: Learn how to use encryption tech”, Information Society Project at Yale Law School <i>Workshop Facilitator</i> | Apr 2014 |
| | “Software Blowback: Studying the FOSS response to the Snowden disclosures”, Yale ISP <i>Presenter</i> | Mar 2014 |
| | “Ideas Lunch: Makerspaces and MakeHaven”, Information Society Project at Yale Law School <i>Co-Presenter</i> | Oct 2013 |
| | “New Haven Software Freedom Day”, Free Software Foundation & MakeHaven <i>Organizer</i> | Sep 2013 |
| | “Classroom Surveillance”, Liberating Education Conference, Wesleyan University <i>Invited Speaker</i> | Mar 2013 |
| CONTINUING EDUCATION | <i>Blockchain Specialization (Verified Certificate)</i> University at Buffalo and The State University of New York via Coursera | Pursuing 2018 |
| | <i>Software Freedom Law Center Fall Conference (Seminar)</i> New York CLE, Columbia University | 2018 |
| | <i>Cybersecurity Electronics Division Meeting (Seminar)</i> NDIA workshop on hardware security at Lockheed Martin, Arlington, Virginia | 2018 |
| | <i>Field Programmable Gate Array (FPGA) Assurance (Seminar)</i> NDIA workshop on chipset security at MITRE, McLean, Virginia | 2018 |
| | <i>Project Management for Yale Professionals (Seminar)</i> PDU, Yale University | 2018 |
| | <i>Understanding EU Privacy Law and GDPR (Audited)</i> Reading group at Yale Law School, Yale University | 2018 |
| | <i>Software Freedom Law Center Fall Conference (Seminar)</i> New York CLE, Columbia University | 2017 |
| | <i>Mozilla & Stanford HCI Open Design Drive (Design Team)</i> Accessibility design via Slack | 2017 |
| | <i>Cybersecurity Due Diligence in Technology M&A Transactions (Seminar)</i> American Bar Association CLE, Yale University | 2017 |

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| <i>Artificial Intelligence (AI)</i> (Audited) ColumbiaX CSMM.101x, Columbia University via edX | 2017 |
| <i>International Courts and Tribunals in The Hague</i> (Audited) Universiteit Leiden via Coursera | 2017 |
| <i>Cybersecurity: Technology, Application and Policy</i> (Verified Certificate) MITProfessionalX CSx, Massachusetts Institute of Technology via edX | 2016 |
| <i>USCIS SEVP Developer Meeting</i> (Seminar) Discussion of SEVIS software, Arlington, Virginia | 2016 |
| <i>Surveillance Law</i> (Audited) Facilitated by Prof. Jonathan Meyer, Stanford Law School via Coursera | 2015 |
| <i>Computer Science and Programming Using Python</i> (Verified Certificate) MITx 6.00.1x, Massachusetts Institute of Technology via edX | 2015 |
| <i>GPL Enforcement and Legal Ethics</i> (Seminar) Free Software Foundation seminar at Suffolk University Law School | 2014 |
| <i>Constitutional Law</i> (Verified Certificate) Facilitated by Prof. Akhil Reed Amar, Yale Law School via Coursera | 2014 |
| <i>Introduction to Linux</i> (Verified Certificate) LFS101x, Linux Foundation via edX | 2014 |
| Linux Foundation Certified Engineer (LFCE) | Pursuing 2018 |
| Certified Ethical Hacker (CEH) | Pursuing 2018 |
| Linux Foundation Certified Sysadmin (LFCS) | Pursuing 2018 |

PROFESSIONAL AFFILIATIONS

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| Mozilla Open Leaders, San Francisco, California, USA Open Leader | 2018 – Present |
| W3C Data Privacy Vocabularies & Controls Community Group, Cambridge, Massachusetts, USA Member | 2018 – Present |
| Yale Center for Engineering Innovation & Design, New Haven, Connecticut, USA Member | 2018 – Present |
| Free Software Foundation, Boston, Massachusetts, USA Member | 2009 – Present |
| MakeHaven Makerspace, New Haven, Connecticut, USA Board Member | 2015 – 2018 |
| Downtown Evening Soup Kitchen, New Haven, Connecticut, USA Board Member | 2014 – 2015 |
| NAFSA Association of International Educators, Washington D.C., USA Member | 2013 – 2014 |
| University of Connecticut Software Licensing Group, Storrs, Connecticut, USA Member | 2006 – 2013 |

INTERESTS

I am an avid homebrewer of beer, wine, and cider. I am a certified bartender (CT SMART 2005, PSCC 2014, TIPS 2015), and continue to learn more about craft breweries, wine, and spirits (Cicerone CBS 2014, PSCC Advanced Wine Knowledge 2014, PSCC Advanced Liquor Knowledge 2014).

REFERENCES

Scott J. Shapiro

Professor of Law and Professor of Philosophy, Yale Law School

scott.shapiro@yale.edu

Rebecca Crootof

Executive Director, Information Society Project at Yale Law School

rebecca.crootof@yale.edu

Laurin Weissinger

Cyber Fellow, Yale Center for Global Legal Challenges and Yale Law School

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