

Qualifications

**I will get to papers and books later – I have over 100 published papers
I have 13 published books.**

I am the ONLY person (ever) to have gained 3 GSEs

- GSE (Compliance) Global Security Expert - Compliance.
- GSE (Malware) Global Security Expert - Malware.
- GSE Global Security Expert.

In 2008 I won the SANS secure coding contest and also came up with 3 other placed entries (I won 4 prizes all up for 5 submissions)

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Masters Degrees

LLM - Master of Law

International Commercial Law
With Commendation
By Dissertation
Northumbria, UK
2008

PG Dip Law – Post Graduate Diploma in Law

International Commercial Law
With Commendation
By Dissertation
Northumbria, UK
2008

Master of Management (Information Technology)

MMgmt, CSU (Charles Sturt University, Australia)

Master of Networking and Systems Administration

MNSA, CSU

Master of Information Systems Security

MInfoSec, CSU

sans.edu

SANS are a specialist college in the US. I have 2 U.S. Masters degrees.

1. MSc, Engineering

Master of Science, Engineering (Computer)

2. MSc, Eng. Management

Master of Science, Engineering Management

Masters in Statistics

MStat (Statistics)
2009 (submitted 2008)
Newcastle University, Australia
By Dissertation

PhD

PhD (Doctor of Philosophy) – Dual Major - Comp Science/Economics

CSU, Above
Completed 2014 (1st submitted 2012, last enrolled 2014. Finalised the graduation paperwork later)

And I have not covered the DTh or Liberal Arts at all :) my UFA history is my business. My being a pastor has no impact on bitcoin.

Doing right now... In Progress

PhD Applied Maths. CNAM.

Paris, France.

Expected finish, 2021

Network Graph Theory

Bioinformatics

<http://www.cnam.fr/portail/conservatoire-national-des-arts-et-metiers-accueil-821166.kjsp>

PhD (Law) / DLaw

Expected finish, 2020.

Leicester, UK

Thesis to be on "Law of Money"

MSc (Econometrics)

University of London

I completed the program in 2018.

I will eventually get around to graduating... but no rush

My Undergrad degrees are in

- Logistics / Warehousing
- Applied Chemistry (Organic Chem)
- Physics (Nuclear Physics)
- Computer Science
- Religion / Ministry
- Management
- Accounting
- Maths

Other

Degrees I have created / Co-authored:

Charles Sturt University

Master of Cyber Security

Master of Cloud Computing and Virtualisation

Master of Digital Forensics

Master of Database Administration and Development

Degree I dropped

Master of Systems Development (CSU)

Application Development

I completed 11 of the 12 subjects.

With all that occurred in 2015, I was forced to choose (as I was enrolled in 2 degrees and that was technically not allowed and the Uni was getting heat about me.

I dropped this degree one subject short of completion.

Certifications (Only some)

CCE – Certified Computer Examiner

ISFCE - The International Society of Forensic Computer Examiners®

<https://web.archive.org/web/20120106120154/http://www.isfce.com/>

ISACA

CISM - Certified Information Security Manager

CISA - Certified Information Systems Auditor

GIAC Certifications

<https://www.giac.org/certified-professional/craig-wright/107335>

- GSE-COMPLIANCE
 - **Obtained:** 2007-09-27
 - **Expires:**
 - **Analyst#** 1



GSE-MALWARE

- **Obtained:** 2008-10-03
- **Expires:**
- **Analyst#** 3



G2700

- **Obtained:** 2005-04-25
- **Expires:**
- **Analyst#** 39
- **GIAC Gold Papers:**
 - [Implementing an Information Security Management System \(ISMS\) Training process](#)



GSAE

- **Obtained:** 2007-09-02
- **Expires:**
- **Analyst#** 141



GNET

- **Obtained:** 2008-06-02
- **Expires:**
- **Analyst#** 129
- **Expired Certifications:**



GSE

- **Obtained:** 2009-08-21
- **Expires:** 2016-09-30
- **Analyst#** 16



GCFA

- **Obtained:** 2005-09-06
- **Expires:** 2016-09-30
- **Analyst#** 265
- **GIAC Gold Papers:**
 - [Analysis of a serial based digital voice recorder](#)



GSNA

- **Obtained:** 2006-09-16
- **Expires:** 2016-09-30
- **Analyst#** 571
- **GIAC Gold Papers:**

- [A Taxonomy of Information Systems Audits, Assessments and Reviews](#)



GREM

- **Obtained:** 2007-06-16
- **Expires:** 2016-09-30
- **Analyst#** 586



GLEG

- **Obtained:** 2007-06-28
- **Expires:** 2016-09-30
- **Analyst#** 6
- **GIAC Gold Papers:**
 - [Electronic Contracting In An Insecure World](#)



GSEC

- **Obtained:** 2007-07-03
- **Expires:** 2016-09-30
- **Analyst#** 10056
- **GIAC Gold Papers:**
 - [Requirements For Record Keeping and Document Destruction in a Digital World](#)



GCIH

- **Obtained:** 2007-11-25
- **Expires:** 2016-09-30
- **Analyst#** 6896
- **GIAC Gold Papers:**

- [Detecting Hydan: Statistical Methods For Classifying The Use Of Hydan Based Stegonagraphy In Executable Files](#)



GPPA

- **Obtained:** 2007-12-03
- **Expires:** 2016-09-30
- **Analyst#** 1891
- **GIAC Gold Papers:**
 - [A comparative study of attacks against Corporate IIS and Apache Web Servers](#)



GCIA

- **Obtained:** 2008-01-08
- **Expires:** 2016-09-30
- **Analyst#** 2913
- **GIAC Gold Papers:**
 - [CURRENT ISSUES IN DNS](#)



GSLC

- **Obtained:** 2008-04-24
- **Expires:** 2016-09-30
- **Analyst#** 2178
- **GIAC Gold Papers:**
 - [Rationally Opting for the Insecure Alternative: Negative Externalities and the Selection of Security Controls](#)



GCPM

- **Obtained:** 2009-05-24
- **Expires:** 2016-09-30
- **Analyst#** 128
- **GIAC Gold Papers:**
 - [A Preamble Into Aligning Systems Engineering and Information Security Risk](#)



GCUX

- **Obtained:** 2007-10-30
- **Expires:** 2016-09-30
- **Analyst#** 587



GAWN

- **Obtained:** 2007-12-21
- **Expires:** 2016-09-30
- **Analyst#** 894



GCWN

- **Obtained:** 2008-01-30
- **Expires:** 2016-09-30
- **Analyst#** 1234



GWAPT

- **Obtained:** 2011-01-01
- **Expires:** 2016-09-30
- **Analyst#** 2358



GISF

- **Obtained:** 2011-01-22
- **Expires:** 2016-09-30
- **Analyst#** 1444



GISP

- **Obtained:** 2011-02-05
- **Expires:** 2016-09-30
- **Analyst#** 1978



GSSP-.NET

- **Obtained:** 2011-02-12
- **Expires:** 2016-09-30
- **Analyst#** 263



GPEN

- **Obtained:** 2011-07-24
- **Expires:** 2016-09-30
- **Analyst#** 7262
- **Certificates:**



S.T.A.R - Law of Fraud

- **Obtained:** 2007-06-23



S.T.A.R - Intrusion Prevention

- **Obtained:** 2007-07-18



S.T.A.R - IP Packet Analysis

- **Obtained:** 2007-06-19



S.T.A.R - Defeating Rogue Access Points

- **Obtained:** 2007-07-13



S.T.A.R - Web Application Security

- **Obtained:** 2007-07-04



S.T.A.R - Advanced Information Recon

- **Obtained:** 2007-07-11



S.T.A.R - Security Policy and Awareness

- **Obtained:** 2007-06-20



S.T.A.R - Payment Card Industry

- **Obtained:** 2007-06-08



S.T.A.R - Leadership Management

- **Obtained:** 2007-06-26

SANS Cyber Guardian

<https://www.sans.org/cyber-guardian/cyber-guardians>

Red and Blue.

Certified Forensic Computer Examiner (CFCE)

ISC2

CISSP

CISSP – MP

CISSP - AP

I was also Cisco, Juniper and more certified...

Research Associations

- Cloud Security Alliance Former Editor
- SANS Technology Institute Supervisor and Editor
- Centre for Internet Security Former Editor / Contributor
- DFCB (Digital Forensics Certification Board) Founding Member

Published Papers

WHITEPAPERS

Bitcoin Paper – under a pseudonym.

BITCOIN: A PEER-TO-PEER ELECTRONIC CASH SYSTEM

PEER REVIEWED PAPERS

2012

1. Wright C (2012) “Hactivism, terror and the state: The Importance of Effectively Enforcing Cyber Security Legislation.” National Security Australia 10 Au

2011

2. Wright, C (2011) “Who pays for a security violation? An assessment into the cost of lax security, negligence and risk, a glance into the looking glass.” ICBIFE, HK
3. Wright, C (2011) “Current issues and liability facing Internet Intermediaries.” ICBIFE, HK
4. Wright, C (2011) “Criminal Specialization as a corollary of Rational Choice.” ICBIFE, HK
5. Wright, C (2011) “Exploiting format Strings with Python” Hakin9
6. Wright, C (2011) “More Exploits with Python” Hakin9
7. Wright, C & Via, T (2011) “Modeling System Audit as a Sequential test with Discovery as a Failure Time Endpoint” ICBIFE, HK
8. Wright, C (2011) “A preamble into aligning Systems engineering and Information security risk measures” ICBIFE, HK
9. Wright C (2011) “Of Black Swans, Platypii and Bunyips. The outlier and normal incident in risk management.” CACS2011 Australia
10. Wright C (2011) & Via, T “Compliance or Security, what cost? (Poster)” ACISP, AU
11. Wright C (2011) “A comparative study of attacks against Corporate IIS and Apache Web Servers” Sans Technology Inst, USA
12. Wright C (2011) “Rationally Opting for the Insecure Alternative: Negative Externalities and the Selection of Security Controls” Republished and extended Paper, Sans Technology Inst, USA
13. Wright C (2011) “Rationally Opting for the Insecure Alternative: Negative Externalities and the Selection of Security Controls” Republished and extended Paper, Sans Technology Inst, USA
14. Wright C & Zia T (2011) “Rationally Opting for the Insecure Alternative: Negative Externalities and the Selection of Security Controls” CISIS Spain
15. Wright C & Zia T (2011) “A Quantitative Analysis into the Economics of Correcting Software Bugs” CISIS Spain

2010

16. Wright C (2010) “Software, Vendors and Reputation: an analysis of the dilemma in creating secure software” Intrust 2010 China
17. Wright C & Zia T (2010) “The Economics of Developing Security Embedded Software” SecAU Australia
18. Wright C (2010) “The not so Mythical IDS Man-Month: Or Brooks and the rule of information security” ISSRE USA
19. Wright C (2010) “Packer Analysis Report – Debugging and unpacking the NsPack 3.4 and 3.7 packer.” Sans Technology Inst, USA

2009

20. Wright C (2009) "Effective Patch Management - Saving Time and Getting Better Security" MISTI USA
21. Wright C (2009) "Database Auditing" Testing Experience, Germany
22. Wright C (2009) "SaaS Security" MISTI USA
23. CISecurity (Multiple) (2009) "CIS BIND Benchmarks" Centre For Internet Security, USA

2008

24. Wright C, Kleiman D & Sundhar R.S. (2008) "Overwriting Hard Drive Data: The Great Wiping Controversy" *Lecture Notes in Computer Science* (Springer Berlin / Heidelberg)
25. Wright C (2008) "Detecting Hydan: Statistical Methods For Classifying The Use Of Hydan Based Steganography In Executable Files" Sans Technology Inst USA
26. Wright C (2008) "Using Neural Networks" Google
27. Wright C (2008) "Ensuring secure data transfer and data sharing" DQ Asia Pacific
28. Wright C (2008) "Record and Document Destruction in a Digital World" IT Security World, USA
29. Wright C (2008) "Managing Security in a Global Company" IT Security World, USA
30. Wright C (2008) "A Quick and Nasty overview of finding TrueCrypt Volumes" Sans Technology Institute
31. Wright C (2008) "Exploring Data Visualisation" Strategic Data Mining
32. Wright C (2008) "Statistical Methods to Determine the Authenticity of Data" CACS2008, Au
33. Wright C (2008) "Text Data Mining, the future of Digital Forensics" Hex Journal USA
34. Wright C (2008) "Compliance, law and Metrics: What you need to meet and how you prove it" SANS ACT
35. Wright C (2008) "Current Issues in DNS" Sans Technology Inst, USA
36. Wright C (2008) "Advanced Methods to Remotely Determine Application Versions" NS2008 LV, USA
37. Wright C (2008) "An in-depth review of the security features inherent in Firefox 3.0 Compared to IE 8.0" iDefense, USA

2007

38. Wright C (2007) "The Problem With Document Destruction" ITAudit, Vol 10. 10 Aug 2007, The IIA, USA
39. Wright C (2007) "Requirements for Record Keeping and Document Destruction in a Digital World" Sans Technology Inst, USA
40. Wright C (2007) "Electronic Contracting in an Insecure World" Sans Technology Inst, USA
41. Wright C (2007) "The Problem with Document Destruction" IRMA UK (Republished)
42. Wright C (2007) "Ethical Attacks miss the point!" System Control Journal ISACA
43. Wright C (2007) "Where Vulnerability Testing fails" System Control Journal ISACA
44. Wright C (2007) "Application, scope and limits of Letters of Indemnity in regards to the International Law of Trade" Internal Publication, BDO Aug 2007
45. Wright C (2007) "UCP 500, fizzle or bang" Internal Publication, BDO July 2007

2006

46. Wright C (2006) "Port Scanning A violation of Property rights" Hakin9
47. Wright C (2006) "A Taxonomy of Information Systems Audits, Assessments and Reviews" SANS Technology Inst USA
48. Wright C (2006) "RISK & Risk Management" 360 Security Summit AU

49. Wright C (2006) "A QUANTITATIVE TIME SERIES ANALYSIS OF MALWARE AND VULNERABILITY TRENDS" Ruxcon AU

2005

50. Wright C (2005) "Analysis of a serial based digital voice recorder" Published 2006 SANS Technology Inst USA
51. Wright C (2005) "Implementing an Information Security Management System (ISMS) Training process" SANS Darling Harbour AU
52. Wright C (2005) "Beyond Vulnerability Scans — Security Considerations for Auditors" ITAudit, The IIA, USA
53. Wright C (2005) "PCI Payment Card Industry Facts" Retail Industry journal, July 2005

2001

54. Multiple Authors (1999) "Windows NT Security Step by Step" SANS Technology Inst USA

2000

55. Ashbury A & Wright C (2000) "DNS Security in Australia" Net Security, June 2000.

1999

56. Wright C (1999) "A Comparative analysis of Firewalls" in "The Internet Hot Sheet" ATT Sept 1999

Other achievements

I have written questions for the following exams for Accredited Masters level Information Technology Courses:

- GPEN - GIAC Certified Penetration Tester
- GWAPT - GIAC Web Application Penetration Tester
- GWAS GIAC Web Application Security

CISSP – I helped author the official book for the Management stream and wrote questions for the exams.

WEBINARS / LECTURE SERIES

The following are webinar series that are being offered and have been developed.

- IPv6 Security
 - Presented in 2011
 - ACT and Victoria Live
 - 1&2 day live presentation
 - Has been provided to 15 Commonwealth Government Departments
- ITE-514 CISSP (Charles Sturt University)
- ITE-513 Digital Forensics (Charles Sturt University)
- ITE-516 CEH Pen Testing (Charles Sturt University)
- Cyber(crime, terror, espionage)
 - A 24 part lecture series offered fortnightly
 - 24 x 1 hour lectures
- REM - Reverse Engineering Malware (12 lectures)
- Cloud Security (6 lectures, 1 summary lecture)
- Digital Forensics and the law
- Management and IT (Various)

BOOKS / BOOK CHAPTERS

The following list relevant books and book chapter that I have published.

1. Wright C (2008) **“The IT Regulatory and Standards Compliance Handbook: How to Survive Information Systems Audit and Assessments”** Syngress USA
2. Litchko, J; Lang, D; Hennell, C; Wright, C & Linden, M V (2011) **“Official (ISC)2 Guide to the CISSP(R)-ISSMP(R) CBK”** CRC Press, ISC2 USA
3. Kleiman, D; Wright, C; Varsalone, V& Clinton, T (2007) **“The Official CHFI Study Guide”** (Exam 312-49) (Paperback)” Syngress, USA 2007

This book is used as a text for ITE-513 at Charles Sturt University

4. Multiple Authors (2009) **“Cisco Router and Switch Forensics: Investigating and Analyzing Malicious Network Activity”**, Syngress Press
5. Multiple Authors (2009) **“Mobile Malware Attacks and Defense”**, Syngress Press
6. Multiple Authors (2008) **“Check Point NGX R65 Security”** Syngress, USA

This book is used as a text at Charles Sturt University

7. Multiple Authors (2008) “**Mobile Malicious Code**” Syngress, USA
8. Multiple Authors (2008) “**Best Forensic Book**” Syngress, USA

In 2012 the following book was published by Taylor Francis Academic press:

- SCADA Security.
- I am the author of the Forensic chapter
- Chapter 16: Forensics Management

Lecturer,

Charles Sturt University (Jan 2009 – October, 2015)

I created the digital forensic and information security research program at CSU as well as lecturing Master's and Doctoral level students. I taught the following subjects (as well as others):

- ITE 514 CISSP Boot camp
- ITE 513 Ethical Hacking
- ITE 516 Digital Forensics
- ITE 51x Cyber law
- ITE 504 C# Windows Communication Foundations

I helped develop other subjects including "Mobile Application Development"

I presented public lectures and courses on:

- Cybercrime, terror and war
- Reverse engineering software
- Secure coding in C

As well, I was a supervisor for the DIT (Doctor of information Technology) Program at CSU.

CISSP	# 47302	(ICS)2 Certified Information Systems Security Professional
ISSMP	# 47302	(ICS)2 Information Systems Security - Management Professional
ISSAP	# 47302	(ICS)2 Information Systems Security - Architecture Professional
CISA	# 0542911	IS Audit and Control Association - Certified Information Systems Auditor
CISM	# 0300803	IS Audit and Control Association - Certified Information Security Manager
CCE	# 480	ISFCE - Certified Computer Examiner
ISSPCS	# 051	International Systems Security Professional Certification Scheme
GSE-Compliance	# 0001	[Platinum] GIAC Security Compliance (GSE-Compliance)
GSE-Malware	# 0003	[Platinum] GIAC Security Malware (GSE-Malware)
GSE	# 0019	[Platinum] GIAC Security Expert
GSEC 1	# 10506	[Gold] GIAC Security Essentials Certification (GSEC)
G7799 2	# 0039	[GOLD] GIAC Certified ISO-17799 Specialist (G7799)
GCFA 3	# 0265	[GOLD] GIAC Certified Forensics Analyst (GCFA)
GSNA 4	# 0571	[GOLD] GIAC Systems and Network Auditor (GSNA)
GSAE	# 0141	[in progress] GIAC Security Audit Essentials (GSAE)
GLEG 5	# 0006	[GOLD in progress] GIAC Legal Issues (GLEG)

	GLEG	Incorporates	GIAC Business Law and Computer Security (GBLC)
	GLEG	Incorporates	GIAC Contracting for Data Security (GCDS)
GLIT	GLEG	Incorporates	GIAC Legal Issues in Information Technologies (GLIT)
GLFR	6	# 0016	GIAC Law of Fraud (GLFR)
GREM	7	# 0586	GIAC Reverse Engineering Malware (GREM)
GPCI	8	# 0086	GIAC Payment Card Industry (GPCI)
GSPA	9	# 0101	GIAC Security Policy and Awareness (GSPA)
GLDR	10	# 0101	GIAC Leadership (GLDR)
GWAS	11	# 0535	GIAC Web Application Security (GWAS)
GIPS	12	# 0036	GIAC Intrusion Prevention (GIPS)
SSP-MPA		# 0416	Stay Sharp Program - Mastering Packet Analysis (SSP-MPA)
SSP-GHD		# 0246	Stay Sharp Program - Google Hacking and Defence (SSP-GHD)
SSP-DRAP		# 0171	Stay Sharp Program - Defeating Rogue Access Points (SSP-DRAP)
MCSA		# 3062393	Microsoft Certified Systems Administrator
MCSE		# 3062393	Microsoft Certified Systems Engineer
MCSE		# 3062393	Microsoft Certified Systems Engineer (Mail)
MCSE		# 3062393	Microsoft Certified Systems Engineer (Security)
MCDBA		# 3062393	Microsoft Certified Database Administrator
MIEEE		# 87028913	Member IEEE
AFAIM		# PM133844	Associate Fellow Aust Inst. Management
MACS		# 3015822	Member Aust Computer Society
EUCP Certified			(Documentary Letters of Credit under UCP 600)