

Phil Legg

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Experience

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| <p>University of the West of England (UWE Bristol), Professor of Cyber Security</p> <ul style="list-style-type: none"> • Full Professor in Cyber Security in recognition of ‘Advancing Teaching and Learning’ (primary domain) and for ‘Research with Impact’ (secondary domain). • Successful research grant income with over £2.1M directed awarded from external funding sources, and over £3.7M in total (see projects page for further details). • Published 85+ academic articles as of March 2026, in high-quality journals and conference venues (see publications page for further details). • Supervision of PhD student research (4 completions, 6 current • March 2026), as well as supporting post-doctoral research fellows (2 former, 2 current • March 2026) (see projects page for further details). • Experience of supervising 100+ student research projects across undergraduate and postgraduate level, as well as supporting extra curricula paid student research and consultancy work (see projects page for further details). • Leading outreach initiatives and upskilling educators and industry professionals in cyber security (see teaching page for further details). | <p>Bristol, UK
Jan 2022 – present
4 years 4 months</p> |
| <p>University of the West of England (UWE Bristol), Co-Director of UWEcyber Academic Centre of Excellence in Cyber Security Education (NCSC Certified)</p> <ul style="list-style-type: none"> • Co-Director of UWEcyber ‘Gold’ NCSC Academic Centre of Excellence in Cyber Security Education (ACE-CSE) that brings together our teaching and learning, external engagement, outreach, research and knowledge exchange in Cyber Security, with a multi-disciplinary perspective involving staff across the entire University, a regional network of educators with a passion to upskill cyber security education, and a regular guest speaker seminar series that has attracted presenters from across the globe. | <p>Bristol, UK
Oct 2020 – present
5 years 7 months</p> |
| <p>University of the West of England (UWE Bristol), Programme Leadership Team - BSc Cyber Security and Digital Forensics</p> <ul style="list-style-type: none"> • I joined the BSc Cyber Security and Digital Forensics programme leadership team in 2024, to support and mentor a new leadership team, and to further promote opportunities of external industry engagement for our undergraduate students, including the continued organisation of guest speakers as well as new industry collaboration with teaching. | <p>Bristol, UK
July 2024 – present
1 year 10 months</p> |
| <p>University of the West of England (UWE Bristol), CSRC Cyber Security Research Theme Lead</p> <ul style="list-style-type: none"> • The Computer Science Research Centre (CSRC) at UWE is made up of 5 themes: Artificial Intelligence, Cyber Security, Data Science, Expressive Computer Interaction, and Smart Cities. I serve as Cyber Security Research Theme Lead since the reorganisation of the CSRC in 2019, supporting academic staff and PhD researchers to develop cyber security research across infrastructure security, software security, AI/data security, and cyber crime domains. | <p>Bristol, UK
Aug 2019 – present
6 years 9 months</p> |
| <p>University of the West of England (UWE Bristol), Programme Leader - MSc Cyber Security (NCSC Certified)</p> <ul style="list-style-type: none"> • Former Programme Leader of the NCSC-Certified MSc Cyber Security, having grown the programme from its initial delivery for 13 students in 2018 to as many as 150 students across two intakes in an academic year, and achieving a PTES overall student satisfaction score of 92% (2024). | <p>Bristol, UK
Jan 2018 – July 2024
6 years 8 months</p> |

University of the West of England (UWE Bristol) , Associate Professor of Cyber Security	Bristol, UK Sept 2018 – Jan 2022 3 years 4 months
University of the West of England (UWE Bristol) , Senior Lecturer in Computer Science	Bristol, UK Feb 2015 – Sept 2018 3 years 8 months
Cabinet Office , Member of the UK Government Cyber Advisory Board (GCAB)	London, UK Mar 2025 – present 1 year 2 months
CSE Connect , Co-Founder / Co-Director <ul style="list-style-type: none"> • A National Cyber Security Education network to bring together academia, industry and government. Supported by the UK National Cyber Security Centre, the network hosts regular events as well as an annual conference, that promotes collaboration and sharing to enhance cyber security education, both within the UK and working with global partners. (Formerly CISSEUK, a UK chapter of CISSE • the Colloquium of Information Systems Security Education) 	UK July 2019 – present 6 years 10 months
University of Oxford , Post-Doctoral Research Associate <ul style="list-style-type: none"> • Cyber Security Centre, Department of Computer Science • Research project: ‘Corporate Insider Threat Detection (CITD)’ funded by the Centre for the Protection of National Infrastructure (CPNI). • Lectureship post at St. Catherine College, teaching Computer Graphics. • Lectureship post at Worcester College, tutoring International students in Computer Graphics • Teaching at the Department of Computer Science includes classes for the Visual Analytics postgraduate course, and both tutorials and practical labs for the Computer Graphics course. • Supervision of postgraduate projects in the Centre for Doctoral Training in Cyber Security 	Oxford, UK Mar 2013 – Feb 2015 1 year 11 months
Swansea University , Post-Doctoral Research Assistant <ul style="list-style-type: none"> • Department of Computer Science • Research project: ‘Sports Video Visualization’ funded by the Welsh Assembly Government. • Guest lecturer on iOS Software Development and Sports Video Visualisation • ‘Inspirational Speaker’ and iOS Schools Workshop Lead for Technocamps Wales. • Supervision of undergraduate and postgraduate projects. 	Swansea, UK July 2010 – Mar 2013 2 years 9 months
Freelance , Software Developer <ul style="list-style-type: none"> • Desktop and Mobile (iOS, Android, Blackberry) development. • Over 40,000 paid downloads on the iOS App Store worldwide since July 2011, with Tide Times being recognised in the Stuff magazine ‘200 best apps of all time’, and also achieving #1 in the ‘Top Paid Weather’ category (Summer 2011). • PocketCoder used by top sports clubs worldwide including Manchester United FC, Welsh Rugby Union, Ireland RFU, Barnsley FC, Bolton FC, QPR, and the Football Association. • Desktop software includes collaborative development with University Hospital Wales and NHS, producing a 3D stereoscopic imaging system for ophthalmic clinical assessment based on PhD research. • Proficient in variety of development languages: Python, Javascript, Java, C++, C#, Objective-C, Swift. 	UK May 2010 – Feb 2015 4 years 10 months
Cardiff University , Software Developer <ul style="list-style-type: none"> • Development of research-led Android mobile application, GeoCaption. 	UK Apr 2010 – July 2010 4 months

Education

University of the West of England (UWE Bristol) , Postgraduate Certificate in Teaching and Learning for Higher Education	Bristol, UK 2015 – 2016
PhD Cardiff University, UK , Computer Science <ul style="list-style-type: none">Multi-modal Retinal Imaging: Improving Accuracy and Efficiency of Image Registration using Mutual Information	Cardiff, UK 2006 – 2010
BSc Cardiff University, UK , Computer Science <ul style="list-style-type: none">Online Multi-player Chinese Checkers Game with Intelligent Computer Opponent	Cardiff, UK 2003 – 2006

Publications

Adversarially Resilient Federated Learning for Heterogeneous Edge Nodes in 5G Networks with Non-IID Data Saniya Zafar, Phil Legg, Jonathan White, Ahmad Salman 10.1016/j.iot.2026.101919 (Internet of Things)	Mar 2026
LOTL-hunter: Detecting multi-stage living-off-the-land attacks in cyber-physical systems using decision fusion techniques with digital twins Carol Lo, Thu Yein Win, Zeinab Rezaeifar, Zaheer Khan, Phil Legg 10.1016/j.future.2026.108382 (Future Generation Computer Systems)	Mar 2026
Advances in Teaching and Learning for Cyber Security Education Phil Legg, Natalie Coull, Charles Clarke 10.1007/978-3-032-15105-6 (Springer)	Jan 2026
Machine Learning and Data Analytics for Cyber Security Phil Legg, Giorgio Giacinto 10.3390/books978-3-7258-3360-3 (MDPI)	Apr 2025

Certificates

CompTIA SecurityX CAS-005	July 2024
Chartered Institute of Information Security (CIISec) Full Member	Oct 2022
CompTIA PenTest+ PT0-002	May 2021
Security, Compliance, and Identity Fundamentals SC-900	Apr 2021
Azure Data Fundamentals DP-900	Mar 2021
Azure AI Fundamentals AI-900	Feb 2021
Azure Fundamentals AZ-900	Oct 2020
CompTIA Security+ SY0-501	July 2020

Projects

UWEcyber Research Laboratory strategic investment Wallscourt Foundation (£1.5m).	Oct 2023 – Oct 2027
Cyber Sandpit - Linking cyber effect to mission objectives DSTL Serapis Framework in collaboration with Trimetis Ltd. (Total £120k, UWE £50k).	Jan 2023 – Oct 2023

Every human a sensor - Crowdsourcing Cyber Data DSTL Serapis Framework in collaboration with Trimetis Ltd. (Total £80k, UWE £41k).	Jan 2023 – Oct 2023
Teaching CyBOK through Cyber Physical Systems CyBOK (Cyber Security Body of Knowledge) and NCSC (Total £5k).	Jan 2023 – June 2023
Autonomous Resilience in Cyber Defence DSTL Serapis Framework in collaboration with Trimetis Ltd. (Total £30k, UWE £5k).	Sept 2022 – Nov 2022
Cyber Security and Data Governance for SMEs National Cyber Security Centre (Total £40k).	Sept 2022 – Mar 2023
CyberWEST - Cyber Security Education for Schools National Cyber Security Centre (Total £41k).	Sept 2022 – Mar 2023
Transform Suspicious Activity Reports (SARs) - UK First Technology Line of Defence InnovateUK Smart Grant in collaboration with Synalogik Ltd. (Total £458k, UWE £37k).	Sept 2022 – Feb 2024

Awards

Best Paper Award IEEE International Conference on Cyber Situational Awareness, Data Analytics and Assessment (Cyber SA 2016) c-mric.org	July 2016
CSCT Researcher of the Year Award Faculty of Environment and Technology, UWE Bristol www.uwe.ac.uk	July 2015
Best Paper Award Managing Insider Security Threats (MIST) conference isyou.info/conf/mist14	Nov 2014