	Colin C. Ife			
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ABOUT	I am a seasoned data scientist, security researcher, and developer with a strong foundation in the fields of cybersecurity, Big Data, and artificial intelligence (AI). I currently lead a dynamic Data Intelligence Team specialising in data, AI, and threat intelligence. With over 8 years of experience, I have established expertise in data-driven research, analysis, modelling, and visualization of security threats, as evidenced by my contributions to peer-reviewed publications.			
	My career journey has been marked by continuous growth and evolution. Leading up to my previous role as a Senior Security Data Scientist, I honed my skills in areas such as malware delivery and botnet operations, threat intelligence, system intrusions, and vulnerability management. As a technically proficient Python developer, adept at working with SQL and NoSQL technologies and implementing and productising data, machine learning (ML) and AI, I have consistently strived for excellence in my work.			
	In my current capacity as Data Intelligence Team Lead, I have embarked on a new chapter of leadership and innovation. I am overseeing the execution of AI-driven research and development initiatives, guiding them from conceptualisation to operationalisation. My responsibilities extend across research, product, development, architecture, infrastructure, operations, and of course, team management functions.			
	Throughout my career, I have maintained a relentless drive, an ad collaborative spirit. My passion lies in solving complex problems with in my capacity to communicate complex concepts effectively to diverse hallmark of my approach.	tuitive solutions, where		
PROFESSIONAL EXPERIENCE	Glasswall , London, UK Data Intelligence Team Lead Assumed the role of Manager for a newly established team, specializing in data, AI, and threat intelligence. Currently overseeing the execution of the full spectrum of AI-driven R&D activities, including the management of an international patent. Formulated and executed the product roadmap, playing a leading role in R&D efforts, and architecting the product, MLOps, and DataOps infrastructure. Other responsibilities include liaising with diverse internal and external stakeholders, fostering collaborative relationships, leveraging cross-organisational partnerships to accomplish strategic commercial objectives, and recruiting and assessing top engineering talent.	Mar 2022 – Present		
	Senior Security Data Scientist Took charge of the comprehensive automation of the Threat Intelligence service and quickly stepped into a leadership position within a cross-organisational research project with a primary focus on AI.	Jan 2022 – Mar 2022		
	Snyk , London, UK Security Data Analyst Security R&D group. Maintained and expanded Snyk's vast security database by triaging open source vulnerabilities, disclosures, and proof-of-concept exploits; working with big data; developing automated pipelines; and conducting robust research. Other responsibilities: project management, process management, interviewing, and training.	Oct 2020 – Jan 2022		
	Spherical Defence Labs , London, UK Research Engineer (Security) Collaborated with a team of ML engineers to design and deliver an API security product utilising deep learning. Contributions included research, big (security) data analysis, software engineering, and QA of AI/ML models.	Nov 2018 – Jan 2020		
	University College London , London, UK Doctoral Researcher Conducted cutting-edge security research in partnership with Symantec Research Labs, Dawes Centre for Future Crime, and EPSRC. Produced a thesis and three publications as the first author, two of which have appeared at top, peer-reviewed	Sep 2016 – Jun 2021		

security conferences.

	BT Group Engineering Services , Ipswich, UK Software Engineering Intern Delivered a proof-of-concept Dark Web monitoring solution following a 3-month research project on web-scraping technologies for surveilling cybercrime on Tor. Worked with Java, AWS, and server technologies.	Jun 2014 – Sep 2014
	DS SolidWorks R&D , Cambridge, UK Technical Support and Quality Assurance Engineering Intern	Jun 2012 – Sep 2012
EDUCATION	University College London, London, UK Ph.D. in Security Science (No Corrections) Thesis: Measuring and disrupting malware distribution networks Advisors: Prof. Gianluca Stringhini, Prof. Steven Murdoch Research areas: Malware, internet measurements, cybercrime prevention, machine learning applications to cybersecurity.	Sep 2016 – Jun 2021
	University College London, London, UK MRes Security Science (Distinction) Thesis: Studying malware distribution networks.	Sep 2015 – Sep 2016
	University of Cambridge , Cambridge, UK MEng Information and Computer Engineering (Distinction) Thesis: IDS dictionary performance evaluator.	Oct 2014 – Jul 2015
	University of Cambridge, Cambridge, UK BA (Hons.) Information and Computer Engineering (1st Class)	Oct 2011 – Jul 2014
SKILLS	 Programming: Python • SQL • NoSQL • Bash • JavaScript • HTML • CSS • PHP • Various languages (code analysis) Experience with: Artificial intelligence and Machine learning • Deep learning • Large language models (LLMs) • Large-scale data analysis and data mining • Cybersecurity • Malware • Data visualisation • Network analysis • Statistical modelling • Software development • Security operations • Static analysis • Project management • Process management • Intellectual property management • Team management • Scrum • Recruiting • Public speaking Tech stacks: AWS • GCP • Azure • Google BigQuery • Azure Machine Learning 	
RESEARCH PROJECTS	Malware Delivery Networks Symantec Research Labs Data-driven analyses to measure, predict, and disrupt malware delivery networks and botnets.	Sep 2016 – Sep 2020
	Cybercrime, Place, and the Internet <i>Dawes Centre for Future Crime at UCL</i> Bridging information security and environmental criminology research to better mitigate cybercrime.	Feb 2018 – Jul 2018
PUBLICATIONS	 4. Colin C. Ife. Measuring and Disrupting Malware Distribution Networks: An Interdisciplinary Approach. UCL (University College London), 2021. 3. Colin C. Ife, Yun Shen, Steven J. Murdoch, and Gianluca Stringhini. Marked for Disruption: Tracing the Evolution of Malware Delivery Operations Targeted for Takedown. In 24th International Symposium on Research in Attacks, Intrusions and Defenses (RAID '21), 2021. 2. Colin C. Ife, Toby Davies, Gianluca Stringhini, and Steven J. Murdoch. Bridging Information Security and Environmental Criminology Research to Better Mitigate Cybercrime. On ArXiv, 2019. 1. Colin C. Ife, Yun Shen, Steven J. Murdoch, and Gianluca Stringhini. Waves of Malice: A Longitudinal Measurement of the Malicious File Delivery Ecosystem on the Web. In Proceedings of ACM Asia Conference on Computer and Communications Security (AsiaCCS), 2019. 	
REFERENCES	Available on request.	