Michalis Smyrlis, Ph.D.

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Working Experience

Apr 2021 – Present	**Chief Software Engineer** Sphynx
2019 – Apr 2021	**Senior Software Engineer** Sphynx
2018 – 2019	**Consultant** Empelor GMBH
2016 – 2018	**Software Engineer** Empelor GMBH
May 2016 – Oct 2016	**Graduate Software Engineer** University General Hospital Of Heraklion "PAGNI"

Teaching and Research Experience

Oct 2023 – Present	**Scientific Collaborator** European University Cyprus
2018 – 2019	**Graduate Teaching Assistant** City, University Of London
Nov 2016 – 2019	**Research Assistant** City, University Of London

Education

2017 – 2023	**Ph.D. in Cybersecurity**, School of Mathematics, Computer Science and Engineering, City, University of London. Thesis title: *A hybrid approach to cyber risk evaluation*
2012 – 2016	**BSc**, Computer Science Department, University Of Crete Thesis title: *Evaluation and extension of question-answering systems over medical texts*

Research Publications

Journal Articles

1. M. Smyrlis, E. Floros, I. Basdekis, *et al.*, "Rama: A risk assessment solution for healthcare organizations," *International Journal of Information Security*, pp. 1–18, 2024.

2. G. Bravos, A. J. Cabrera, C. Correa, *et al.*, "Cybersecurity for industrial internet of things: Architecture, models and lessons learned," *IEEE Access*, vol. 10, pp. 124 747–124 765, 2022.

3. M. Smyrlis, I. Somarakis, G. Spanoudakis, G. Hatzivasilis, and S. Ioannidis, "Cyra: A model-driven cyber range assurance platform," *Applied Sciences*, vol. 11, no. 11, p. 5165, 2021.

4. M. Smyrlis, G. Spanoudakis, and K. Fysarakis, "Teaching users new iot tricks: A model-driven cyber range for iot security training," *IEEE Internet Things (Iot) Mag*, pp. 1–10, 2021.

5. G. Hatzivasilis, S. Ioannidis, M. Smyrlis, *et al.*, "Modern aspects of cyber-security training and continuous adaptation of programmes to trainees," *Applied Sciences*, vol. 10, no. 16, p. 5702, 2020.

Conference Proceedings

1. G. Hatzivasilis, S. Ioannidis, M. Smyrlis, *et al.*, "The threat-arrest cyber range platform," in *2021 IEEE International Conference on Cyber Security and Resilience (CSR)*, IEEE, 2021, pp. 422–427.

2. M. Smyrlis, K. Fysarakis, G. Spanoudakis, and G. Hatzivasilis, "Cyber range training programme specification through cyber threat and training preparation models," in *International Workshop on Model-Driven Simulation and Training Environments for Cybersecurity*, Springer, 2020, pp. 22–37.

3 I. Somarakis, M. Smyrlis, K. Fysarakis, and G. Spanoudakis, "Model-driven cyber range training: A cyber security assurance perspective," in *International Workshop on Information and Operational Technology Security Systems*, Springer, 2019, pp. 172–184.

4 B. Ye, I. Basdekis, M. Smyrlis, G. Spanoudakis, and K. Koloutsou, "A big data repository and architecture for managing hearing loss related data," in *2018 IEEE EMBS International Conference on Biomedical & Health Informatics (BHI)*, IEEE, 2018, pp. 174–177.

Skills

Languages	Greek (Native), English (C2), French (B1)
Technical Skills	Java, Python, C/C++, Software Architecture, Design Patters, Database Management, Version Control, Code Review and Quality Assurance, Debugging and Troubleshooting, API Design, CI/CD, Containerisation, Technical Leadership, Adaptability.
Misc.	Project Management, Team Lead, Academic Research, Teaching, Training, Consultation.

Other Research Activities

EU Projects	SecAwarenessTruss (Technical Coordinator), MIRANDA, HEIR, ENERMAN, SENTINEL, ASCAPE, TOREADOR, EVOTION, CyberSURE, CyberSANE, SPIDER, RESIST, C4IIoT, THREAT-ARREST, SMART-BEAR, CYRENE, and others
International Conferences	Chaired/Co-chaired international conferences, Technical Program Committee (chair/member) for international conferences, Workshop Organizer (SCENE 2023, and 2024)
Academic Journals	Topic Editor, Special Issue Guest Editor, Reviewer in academic journals (Cluster Computing, International Journal of Informnation Security, Scientific reports etc.)
Master Thesis Supervision	European University of Cyprus

References

Available on Request