

Marios Isaakidis

(+357) 96035354 | m.isaakidis@cs.ucl.ac.uk | github.com/misaakidis | [linkedin.com/in/misaakidis](https://www.linkedin.com/in/misaakidis) | [scholar](#)
PGP Fingerprint: 7DD5 D164 B690 0A9D FEE2 98B5 E977 D7B8 5232 4D27

EDUCATION

- University College London** January 2016 – Present
PhD, Information Security London, UK
- Researching *Decentralization and Privacy*, and their applications to socio-technical systems
 - Teaching assistant: “Object-Oriented Programming”, “Systems Engineering I / II”, “Systems Engineering Industry Projects”, “Software Abstractions and Systems Integration”
 - MSc InfoSec thesis supervisor on privacy-preserving identity management, services over anonymous peer-to-peer storage networks, and malware analysis
- University of Waterloo** January 2020 – September 2020
Visiting Researcher – OTF Senior Fellow in Information Controls Waterloo, Canada
- [biton](#) A peer-to-peer network stack for anonymous routing and storage
- Cyprus University of Technology** September 2009 – June 2014
BSc Hons., Electrical Engineering, Computer Engineering and Information Technology Limassol, Cyprus
- Scholarship of Excellence
 - Thesis: *Service-Aware Networking: Service-Centric Architectures and the SDN Paradigm*
 - Erasmus exchange at Universidad Politécnica de Madrid

EMPLOYMENT

- Director** May 2022 – Present
infotropic.tech Limassol, Cyprus
- Web3 development agency, specializing in Blockchain technologies, Privacy Engineering and Protocol Design.
- Visiting Lecturer** October 2022 – Present
Cyprus Institute of Marketing Limassol, Cyprus
- Lecturer of “Business Information Systems” and “Computer Information Systems”
- Assistant Manager, Digital Innovation** January 2022 – August 2022
Senior Advisor March 2021 – January 2022
KPMG Nicosia, Cyprus
- Head of Blockchain services
- Special Scientist (Teaching)** March 2022 – June 2022
Cyprus University of Technology Limassol, Cyprus
- Lecturer of “Computer Security and Cryptography”
- Applied Cryptographer** November 2021 – March 2022
Privy.io San Francisco, USA
- Designing and implementing a storage infrastructure and custodian key management for Web3
- Demonstrator** January 2019 – April 2019
Birkbeck University of London London, UK
- Lab instructor for Principles of Programming II (Java)
- CTO** March 2018 – June 2019
Ovolos X London, UK
- Designing a stablecoin smart-contract blockchain that integrates an online payment system for national currencies
 - Participating at the Conception X entrepreneurial program for PhD students
- CENO Project Lead** January 2015 – April 2016
eQualit.ie Montreal, Canada
- [CENO](#): Development and deployment of censorship circumvention tools over anonymous storage networks

Web developer, Erasmus+

GeeksHubs

- Front-end developer at GeeksHubs Academy, a tech-oriented MOOC platform
- Module instructor, “Developing applications for Firefox OS”

August 2014 – December 2014

Valencia, Spain

Google Summer of Code

Freenetproject.org

- Improving Winterface, a Web interface plugin for Freenet
- Decoupling Freenet’s interface (presentation) from the logic tier

May 2014 – August 2014

Remote

Lead Engineer, Scrum master

Funifi

- Leading the technical team and undertaking the software design
- Participating at the Startup Bootcamp Mobility XL accelerator

August 2013 – December 2013

Copenhagen, Denmark

Android Developer, Quality Assurance

Infoscreen

- Porting Quorum, a C# application, to the Android platform; Writing unit and functional tests in C# and C++

June 2012 – August 2012

Limassol, Cyprus

Research intern

Cyprus Interaction Lab

- Researching “Computer-supported Collaborative Learning: Interactive surfaces and multitouch tabletops”
- Adding multimedia support to Ideas Mapping, a tabletop application for brainstorming

June 2012 – August 2012

Limassol, Cyprus

PUBLICATIONS

- V. Ververis, T. Ermakova, M. Isaakidis, S. Basso, B. Fabian, and S. Milan. Understanding Internet Censorship in European Union: The Case of Spain. *13th ACM Web Science Conference (WebSci)*, 2021
- C. Lombardi, M. Isaakidis, and I. Mian. Blockchains meet GovTech: Governance and Regulatory Mechanisms for the Public Interest. *Data for Policy*, 2020
- M. Isaakidis, I. Goldberg, and G. Danezis. [Poster] Circumventing online censorship with biton. *Privacy, Infrastructures, Policy*, 2020
- V. Ververis, M. Isaakidis, V. Weber, and B. Fabian. Shedding light on mobile app store censorship. *27th conference on user modeling, adaptation and personalization (APPS)*, 2019
- B. Kulynych, W. Lueks, M. Isaakidis, G. Danezis, and C. Troncoso. ClaimChain: Improving the Security and Privacy of In-band Key Distribution for Messaging. *Workshop on Privacy in the Electronic Society (WPES)*, 2018
- C. Troncoso, M. Isaakidis, G. Danezis, and H. Halpin. Systematizing Decentralization and Privacy: Lessons from 15 years of research and deployments. *Proceedings on Privacy Enhancing Technologies*, 2017(4), 2017
- V. Ververis, M. Isaakidis, C. Loizidou, and B. Fabian. Internet censorship capabilities in Cyprus: An investigation of online gambling blocklisting. In *International Conference on e-Democracy*. Springer, 2017
- M. Isaakidis, H. Halpin, and G. Danezis. UnlimitID: Privacy-preserving federated identity management using algebraic MACs. *Proceedings of the 2016 ACM on Workshop on Privacy in the Electronic Society*, 2016
- M. Isaakidis and G. Danezis. Eclipse and Re-Emergence of Anonymous P2P Storage Network Overlay Services. *9th Workshop on Hot Topics in Privacy Enhancing Technologies*, 2016

FUNDING

- Internews Pluggable transports grant (Principal investigator)
- Open Technology Fund Fellowship in Information Controls (Senior fellow)
- EU H2020 Project NEXTLEAP (PhD researcher)
- EU H2020 Project ENCASE (Marie Skłodowska-Curie secondee)
- EU H2020 Project Mazi (Pilot deployment)
- RESTART 2016-2020 Project ReTrack (Developer)

CONFERENCE COMMITTEES

- Program chair, Topics on Internet Censorship and Surveillance (TICS) 2019
- Program committee, ACM APPS 2020 and Internet Science “The Future of Decentralized Governance“ Workshop 2018
- External reviewer and shepherd, Privacy Enhancing Technologies Symposium (PETS)
- External reviewer, ACM Conference on Computer and Communications Security (CCS) and Usenix Security Symposium
- Program committee, FOSDEM Security track 2017, BSides London 2018
- Internet Freedom Festival “Present and Future” Fellow 2017
- Scientific committee, Phygital un-conference on Free/Libre Technologies, Arts and the Commons 2019

FREE/OPEN SOURCE SOFTWARE ACTIVITIES

ClaimChain Self-authenticated data structures with built-in privacy and access control

UnlimitID Pseudonymous identities for OAuth

Founding member of 101.cy – Institute of Information Cyprus, hack66.info, Cyprus Free/Open Source Software Society

Mozilla Representative and Open Leaders expert in Decentralization and Privacy

Fedora ambassador, Software Carpentry instructor

NASA Space Apps Challenge event lead (Limassol 2013, Nicosia 2014)

Speaker at Chaos Communication Congress, Internet Freedom Festival, RightsCon, re-publica, Cryptoparty, MozFest...

Various awards at hackathons (Hack Cyprus, Startup Weekend, HECC Higher Education Cyber Challenge, SPARK...)

LANGUAGES

English Fluent (C2) Michigan – Certificate of Proficiency in English (ECPE)

Greek Fluent (Mothertongue)

Spanish Advanced (B2) Universidad Politécnica de Madrid

German Intermediate (B1) Goethe-Institut – Zertifikat Deutsch (ZD)