Marios Isaakidis

(+357) 96035354 | m.isaakidis@cs.ucl.ac.uk | github.com/misaakidis | 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
- ClaimChain Self-authenticated data structures with built-in privacy and access control
- UnlimitID Pseudonymous identities for OAuth

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

Demonstrator
January 2019 – April 2019

Birkbeck University of London — *London, UK*

- Lab instructor for Principles of Programming II (Java)

CTO, Co-founder
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+
August 2014 – December 2014

GeeksHubs — *Valencia, Spain*

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

Google Summer of Code
May 2014 – August 2014

Freenetproject.org — *Remote*

- Improving Winterface, a Web interface plugin for Freenet

Lead Engineer, Scrum master
August 2013 – December 2013

Funifi — *Copenhagen, Denmark*

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

Android Developer, Quality Assurance
June 2012 – August 2012

Infoscreen — *Limassol, Cyprus*

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

Research intern
June 2012 – August 2012

Cyprus Interaction Lab — *Limassol, Cyprus*

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

Computer Science Skills

Programming: Web (Javascript, CSS/Sass, HTML/EJS), Java (Android), Python, C, C#, SQL/NoSQL, PHP, Matlab
DevOps: Ansible, Docker, Travis, Bash scripting, Linux LPI 101, CISCO routers configuration, SDN (OpenFlow)
Workflow: git, npm, Grunt, Maven, GNU build system

Publications

– 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

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

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 Carpenty instructor
NASA Space Apps Challenge event lead (Limassol 2013, Nicosia 2014)
Presenter 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 Institute – Zertifikat Deutsch (ZD)