Marios Isaakidis

Curriculum Vitae

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▬▬▬▬ Work Experience

01/16–Now **MPhil/PhD Candidate**, University College London, United Kingdrom.
- Researcher on Anonymous Communications at the *UCL Information Security Group*
- Supervised by Dr. George Danezis and Prof. Mark Handley
- Funded by EU Horizon 2020 Project *NEXTLEAP*

01/15–Now ***CENO* Project Lead**, eQualit.ie, Montreal, Canada.
- Development of censorship circumvention technology based on P2P anonymous storage networks
- Source code available at: *https://github.com/equalitie/ceno*

08/14–12/14 **Web Developer, Instructor**, GeeksHubs, Valencia, Spain.
- Frontend developer at GeeksHubs Academy (tech-oriented MOOC platform).
- Instructor at 'Firefox OS' e-course.

05/14–08/14 **Google Summer of Code**, Freenet, Google.
- Improving *Winterface*, a web interface plugin for Freenet (UI/UX).
- Decoupling Freenet's web interface (presentation) from the logic tier.

05/13–06/14 **Researcher, Community Manager**,
Cyprus Space Exploration Organization (CSEO), Cyprus.
- Event lead at Space Apps Challenge Limassol 2013 and Space Apps Nicosia 2014
- NASA Global Best Mission Concept Award 2015 for project *Arachnobeea*

08/13–12/13 **Lead Engineer – Scrum Master**, FUNIFI, Copenhagen, Denmark.
- Leading the technical team and undertaking the software design
- Participating at Startup Bootcamp Mobility XL acceleration program
- Developing using Lean Startup methodology, A/B testing and Scrum

06/12–09/12 **Android Developer – Quality Assurance**, Infoscreen Ltd., Cyprus.
- Porting *Quorum*, a C# application, to the Android platform (asynchronous connection, cryptography, XML creation and parsing, multithreading, Android APIs)
- Writing unit and functional tests in C# and C++
- Working with source revision control systems and Scrum agile development methods

06/12–09/12 **Research Intern**, Cyprus Interaction Lab, Cyprus.
- Researching on topic *"Computer-supported Collaborative Learning: Interactive surfaces and multitouch tabletops"*
- Adding multimedia support to *Ideas Mapping*, a multitouch application for ideas mapping and brainstorming

Education

2009–2014 **Electrical Engineering, Computer Engineering and Information Technology**, *Cyprus University of Technology*, *GPA – 7.8.*
- Scholarship of Excellence
- Erasmus at Universidad Politécnica de Madrid (UPM)

6/13–9/13 **Software Defined Networking**, *Georgia Institute of Technology (completed via coursera.org).*
- In-depth presentation of SDN concepts and use cases
- Experimentation with Mininet, various topologies and SDN controllers

Final Thesis

Title *Service-Aware Networking* – Service-Centric Architectures and the SDN Paradigm

Supervisor Dr. Sirivianos Michael

Description In service-centric architectures services become first class citizens. SDN could benefit from the provided abstractions and enable services running in, possibly distributed, datacenters to automatically, and according to the rights they have been given, manipulate virtual networks to better utilize the network infrastructure, conforming to their dynamic needs.

Areas of Interest

- Web neutrality, freedom and anonymity

- Large scale network architectures

- Next generation Service-Centric architectures

- Software Defined Networking (SDN)

- Distributed systems

- P2P DNS alternatives

Languages

English	**Fluent - C2**	*Michigan – Certificate of Proficiency in English (ECPE)*
Greek	**Mothertongue**	
Spanish	**Advanced - B2**	*Universidad Politécnica de Madrid*

German	**Intermediate - B1**	*Goethe Institute – Zertifikat Deutsch (ZD)*
French	**Basic - A1**	

Computer skills

Programming

Advanced	C, Java (Android SDK, jetty), SQL, Bash scripting, C# (XNA, LINQ, lambda expressions)
Web	HTML5, CSS3, SASS, Javascript, AJAX, jQuery, XML, JSON, PHP, Backbone, Phonegap, Foundation, Bootstrap, Handlebar.js, jade, Responsive design
Basic	C++, Python (Flask), Ruby, Ruby on Rails, Matlab, SPARC Assembly
Workflow	Version control (git, subversion), GNU build system, maven, grunt, npm, bower

Others

Familiarity with OpenFlow and Software Defined Networking, next-generation Service-Centric network architectures, Cloud computing (OpenStack, Synnefo and CloudStack), network protocols and CISCO routers configuration

Experience with programing Linux kernel modules relating to the TCP/IP stack

System Administration (Linux LPI 101 Certificate)

Solid background on object-oriented architecture, data structures, event-driven programming, software design and analysis

Experience with Electronics, EDAs and microcontroller programming, Raspberry Pi and Arduino (Yun)

Open Source Activities

Co-Founding #hack66 *hack66.info*, hackerspace and innovation center.

Mozilla Rep.

Software Carpentry instructor.

Fedora Ambassador.

seedbombing | #sporovomva, experimental, collaborative radio show at cut-radio and MYCyRadio on topics around the Open Culture.

SuperscaM, simulator of a Superscalar CPU.

6thCens, crowdsourced visualization platform of government surveillance.

Droplet, household water consumption measurement with Arduino Yun.

Translating FOSS projects to Greek, *(Ubuntu, MeTV, Firefox...)*.

Organizing and volunteering to relative events, *(FOSDEM, Cyprus Free Software Conference, Campus Party Milenio, hack4yourrights etc.)*.

Reviewing "Cyprus Access to Information Law".

Translating to Greek "Free Culture", written by Lawrence Lessig.