



Gheorghe Sârbu

Advisor to the Minister for Communications and Information Society

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Interested in practical measures for e-government, intensive automation of all areas of human activity and the management and psychology of ICT education.

Technical interests are digital design and relevant software tools and approaches, with emphasis on computing architectures and micro-architectures.

Recipient of the Forbes „30 under 30” Romania award, in 2017, for work with innovative IT start-ups.

EXPERIENCE

Ministry of Communications and Information Society

January 2017 - Present

Advisor to the Minister for Communications and Information Society

Advisory responsibilities in areas related to:

- Implementation of the IT part of the Governing Manifesto 2016-2020.
- Simplification, harmonization and innovation of legislation related to digital economy and society.
- Application of key digital enablers in public administration for implementation of EC eGovernment Action Plan 2016-2020.
- Creation of the Single Digital Gateway for Romania.

Ministry of Communications and Information Society

September 2017 - Present

Expert CTS

Member of the Technical Commission of Specialists (CTS) attached to the Technical-Economical Committee for Information Society of the Government of Romania (CTE). Job responsibilities include the analysis of publicly-funded projects with an IT component and the proposal of recommendations for the CTE. Analysis criteria: cyber security, interoperability, technological neutrality, multiple financing.

Innovation Labs Romania

January 2017 - Present

Community Manager & Innovation Mentor

Executive responsibilities related to organising the nation-wide side of the IT start-up pre-accelerator Innovation Labs. Teaching classes and mentoring teams of students on aspects of starting a business in the IT sector.

Politehnica University of Bucharest, Computers Department

October 2016 - present

Teaching Assistant

Teaching assistant in the areas of Computer Architecture, hardware description languages and assembly programming.

University of Cambridge

October 2012 - September 2016 (4 years)

Teaching/Research Assistant

Part of the Computer Architecture Research Group at the Computer Laboratory, University of Cambridge. Supervise students in the areas of Digital Design, Computer Architecture, System-on-Chip and Hardware Support for Operating Systems.

Cambridge Romanian Society

December 2014 - December 2015

President

Executive position, elected by secret ballot. Management of a committee of five. Organised academic and non-academic events locally over the course of one Cambridge academic year. Co-organised the 2015 Conference of Romanians in the UK (CSPCRUK2015), at Oxford.

CRS activities recognised by the Embassy of Romania in the UK through the the Ambassador's Diploma 2015.

Agora

October 2013 - June 2015 (1 year 9 months)

Consultant

IT, HR and customer development consultancy for AGORA - a daring social network developed at the University of Cambridge.

STIMULUS Cambridge

January 2013 - April 2014 (1 year 4 months)

Volunteer

Assisted teachers in general schools in Cambridge. Topics included Mathematics and Physics.

Politehnica University of Bucharest, Computers Department

October 2009 - June 2011 (1 year 9 months)

Associated Teaching Assistant

Conducted laboratory work in the Electronics and Computer Architecture Laboratories

EDUCATION

University of Cambridge

2012 - 2016

Doctoral Training Programme, Computer Science and Technology

Work on energy-efficient many-core chips, reconfigurable computing and heterogeneous scheduling.

Activities and Societies: Cambridge Romanian Society (Committee), Hughes Hall Middle Common Room (Committee), Computer Laboratory Faculty Board (Committee)

University of Cambridge

2011 - 2012

Master of Philosophy (MPhil), Advanced Computer Science

Grade: 78 (Distinction)

Dissertation: Power Modelling and Validation for Digital Logic

Activities and Societies: Cambridge Romanian Society, Hughes Hall Middle Common Room

Politehnica University of Bucharest

2007 - 2011

BEng, Automatic Control and Applied Computer Science

Grade: 10.0/10.0.

Dissertation: VLSI Implementation of DSP Algorithms

Activities and Societies: Student Representative, Students League (LSAC, UNSR)

Colegiul Dobrogean "Spiru Haret" Tulcea

2003 - 2007

High School, Bacalaureat, Mathematics and Computer Science

Baccalaureate: 9.92/10.00.

Activities and Societies: History National Olympiad, Physics Olympiad, Mathematics Olympiad, Economics Olympiad, Student Council, Head of Class, Deputy Head of Class

VOLUNTEERING

Cambridge Romanian Parish

October 2014 - September 2016

Parish Council

Co-organised various events connected to the Cristian Orthodox calendar - parish feasts, Christmas, Easter etc.

STIMULUS Cambridge

October 2013 - June 2015

Teaching in underprivileged schools

Assisting teachers in local Cambridge schools. Topics: Mathematics, Physics.

Volunteer at Romanian Red Cross

October 2009 - August 2011

Food Bank, Humanitarian International Law

Participation in the set-up, management and running of the Red Cross Food Bank. Taught high School classes on humanitarian efforts and legislation. Various other activities.

Student League - LSAC

October 2007 - July 2011

Academic, Student-focused

Helped organise various student events over the four undergraduate years at the Politehnica University.

LANGUAGES

English (Native or bilingual proficiency), **French** (Full professional proficiency), **Italian** (Limited working proficiency), **Chinese Mandarin** (Elementary proficiency)

SKILLS AND HOBBIES

Information Technology

- Software Development, Computer Architecture, Hardware Description, Machine Learning, Operating Systems
- Interested in pursuing activities related to: automation of daily life, e-government.

Education

- Teaching and policy expertise accrued in the Romanian and English school systems, at all levels.

Social-political interests

- Experience in formal debates.
- Topics of interest: quality and relevance of teaching practices and tools; grammar; history; philosophy; left-wing doctrine; internationalism; globalisation; the social-political-economical impact of the third and fourth industrial revolutions.

Hobbies - Sci-Fi, Historical Fiction, Grand Strategy, 4X

- Sci-Fi, Historical Fiction, Grand Strategy, 4X