

Johan LOECKX

PERSONAL DATA

PLACE AND DATE OF BIRTH: Leuven, Belgium | October 9th, 1980
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WORK EXPERIENCE

Current Nov 2012	Researcher at VRIJE UNIVERSITEIT BRUSSEL <i>Artificial Intelligence Lab</i> Research on music education through social networking platforms like Soundcloud, Indaba, ... in the context of the FP7 project <i>Practice and peRformance Analysis Inspiring Social Education</i> (PRAISE)
Oct 2012 MAY 2009	IT Consultant at SMALS, Brussels <i>ICT for Society</i> My expertise focused on highly available and scalable software architectures (XTP, NoSQL, CAP...), including cloud computing. Managing costs and streamlining ICT processes were on my radar as well.
APR 2009 SEPT 2004	Research assistant at K.U.LEUVEN, Leuven <i>MICAS, Microelectronics Department</i> The research focused on modelling of Electromagnetic Compatibility (EMC) at IC-level. It consisted of developing analysis methods, algorithms and tools to detect, model and predict potential problems in IC subjected by unwanted radiation
SEPT 2004 AUG 2003	Freelance micropreneur at UNIVERSAL TELECOM SERVICES <i>SBE Telecommunication Services</i> As a freelancer I was responsible for the business analysis, architecture, development, deployment and maintenance of iCall, a telephone routing and billing software.

EDUCATION

MAY 2010	PhD in CIVIL ENGINEERING MICROELECTRONICS, K.U.Leuven University , Belgium Title: <i>Methods for Simulating and Analysing the Effects of EMC on Integrated Circuits</i> Advisor: Prof. Georges GIELEN
JULY 2004	Master in ARTIFICIAL INTELLIGENCE at the K.U.Leuven University , Belgium Grade: <i>Cum laude</i>
JULY 2003	Master in CIVIL ENGINEERING MICROELECTRONICS at the K.U.Leuven University , Belgium Grade: <i>Cum laude</i>

LANGUAGES

DUTCH:	Mothertongue
ENGLISH:	Fluent reading & writing
FRENCH:	Fluent reading, talking; decent writing
ARABIC, HEBREW:	2 years of evening courses

SKILLS

Engineering: design of circuits & systems // modelling // optimization // data mining
Information Technology: software architecture // development // system administration (Linux)
Software: Perl, PHP, .NET, Java, Delphi, C/C++, Scheme (LISP), Prolog, Matlab, Labview

PROFESSIONAL EXPERIENCE

- NOW | Freinet School Brussel
2012 | As member of the board, I assist in kicking off a new independent school in Brussels. The pedagogical principles originate from the theory of Freinet.
- NOW | No Angry Young Man
2006 | No Angry Young Man plays pop music with classical instruments such as cello, violin, hobo, clarinet, Founded in 2006, the band recorded 2 studio albums and won the Exposure Music awards (category singer songwriter) in 2010.
- 2012 | Government IT projects
2009 | *Declaration-as-a-Service* – I contributed to the business analysis, scope determination and development of prototypes for this SaaS application that allows governmental institution to design, host and manage declarations online.
Vitalink is to become the exchange platform between primary caretakers in Belgium. Confidentiality is essential to enable the adoption of the platform. An advanced encryption scheme based on threshold encryption has been invented.
- 2008 | Micropreneur software projects
1998 | As independent micropreneur I developed a *Financial .NET web application* to manage financial clients and assets, integrated with their backoffice. *iCall*, a telephone routing and billing software for analogue and VoIP devices, deployed in 7 call centers. *Law*, a lawyer's productivity suite that manages lawyer's cases, automates the correspondence. The software has been used for more than 10 years in 5 offices.

ON MY PERSONALITY

I care about vision and making the right abstractions to find creative solutions to well stated problems. I'm a serene and engaged worker with high ethical standards, an open mind and experience in both the technical (electronics/IT) and the musical world (musician/composer). My strong points are conceptual thinking and having a broad and nuanced view. In every analysis and act, I spend an important part to psychological and social aspects.

PUBLICATIONS & PUBLIC APPEARANCES (EXTRACT)

- 2012 | "A secure information exchange based on distributed trust"
Cyber Security & Privacy EU Forum 2012, <http://www.cspforum.eu>
- 2011 | "Method and devices for secure data access and exchange"
Patent filed for the European Patent Agency
- 2010 | "Public vs. Private Cloud Opportunities and challenges for public institutions"
Storage Expo / Info Security
- 2009 | "Advanced Course on Analog Modelling and Circuit Optimization"
IDESA trainings, <http://www.idesa-training.org>
- "Towards Automated Extraction of EMC-Aware Trajectory-Based Macromodels for Analog Circuits"
ECCTD 2009. European Conference on Circuit Theory and Design