Résumé

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Education

DSc in Technology, Helsinki University of Technology (2008)
MSc in Technology, Helsinki University of Technology (2001)
BSc in Electrical Engineering, VILNIUS TECH (1999)

Employment

2013–2014: Faculty of Informatics at the University of Lugano,
            Via Giuseppe Buffi 13, CH-6904 Lugano, Switzerland.
2011–2012: DEMO, École Nationale Supérieure des Mines de Saint-Étienne,
            158 cours Fauriel, 42023 Saint-Étienne, CEDEX2, France.
2008–2009: Department of Neurobiology at the University of California,
            Los Angeles, 73-235 CHS, CA 90095-1763.
2000–2008: Faculty of Information and Natural Sciences at
            Helsinki University of Technology,
            P.O.Box 5400 (Konemiehentie 2), FI-02015, Finland.

Selected Projects

esp32-vpn   Designed a practical IoT net to control the soil moisture,
2022   with the focus on eliminating 3rd party services.
            ESP32, MicroPython, MQTT, Linux, EdgeVPN,
            Go, SSH, P2P, Wi-Fi resilience.

twinpeekz   Translated an amazing work on volumetric lighting
2021   from C++ to Go. GLFW, GLTF, OpenGL, GLSL, RenderDoc.

adast   Wrote a microcontroller code to repair a factory machine.
2020   Adast Maxima MS80, paper guillotine, avr-gcc, ATmega16,
            rotary quadrature encoder, hardware interrupts.

hal-00723427 Sped up a Monte Carlo integration in a complex engineering
2012   optimization project. OpenFOAM, ParaView, ProActive PACA
            Grid cloud (INRIA), Scilab, kriging, meta-optimization,
            CMA-ES, expensive-to-evaluate functions, asynchrony, LaTeX.

Awards

2008:   Doctoral thesis award: "Pass with Distinction".
2008:   Invited talk (Prof. Mads Nielsen, the University of Copenhagen)
2002–2006: ComMIT grant (postgraduate studies).
1999–2000: Nokia scholarship (Natalia Kantola, Robertas Tamulevičius).