Résumé

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Education

DSc(2008)/Msc(2001) in Technology, Helsinki University of Technology.
BSc in Electrical Eng. (1999), Vilnius Gediminas Technical University.

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   Connected the ESP32 globally without 3rd party services.
2022   IoT, VPN, P2P, MQTT, SSH, Wi-Fi, 24/7, MicroPython, Go.

twinpeekz2   Implemented real-time multi-pass 3D rendering pipeline.
2021   GLFW, GLTF, OpenGL/GLSL, RenderDoc, 3D ray marching, Nim.

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

hal-00723427 Sped up Monte Carlo integration in a complex eng. project.
2012   Fluid dynamics, Bayesian optimization, ProActive PACA Grid.

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).