

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

2014–Now: Self-employed.

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.
2023 IoT, VPN, P2P, MQTT, SSH, Wi-Fi, 24/7, MicroPython, Go.

[twinpeekz2](#) Implemented a real-time multi-pass 3D rendering pipeline.
2022 GLFW, GLTF, OpenGL/GLSL, RenderDoc, 3D ray marching, Nim.

[adast](#) Wrote firmware 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).