

# 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

[lawtrust.eu](#) 2024 Created a website for a lawyer who speaks 9 languages.  
HTML, Tailwind CSS, Js, Go, porkbun.com, github pages.

[esp32-vpn](#) 2023 Connected the ESP32 globally without 3rd party services.  
IoT, VPN, P2P, MQTT, SSH, Wi-Fi, 24/7, MicroPython, Go.

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

[adast](#) 2020 - 2024 Wrote and maintained firmware for a factory machine.  
Adast Maxima MS80, paper guillotine, avr-gcc, ATmega16.

[hal-00723427](#) 2012 Sped up Monte Carlo integration in a complex eng. project.  
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).