

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

2014–2022: Random jobs (gardening, construction sites, programming).
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](#) 2022 Made an IoT network without 3rd party services.
ESP32, MicroPython, MQTT, EdgeVPN, Wi-Fi resilience,
global connectivity under NAT without port forwarding.

[twinpeekz](#) 2021 Enhanced C++ volumetric lighting code with Go.
GLFW, GLTF, forward rendering, PCF/PCSS shadows, PBR,
3D ray marching, OpenGL, GLSL, RenderDoc, Sponza, Linux.

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

[hal-00723427](#) 2012 Sped up MC integration in a complex engineering project.
Turbulent fluid flow, shape optimization, parallelism,
OpenFOAM, ParaView, ProActive PACA Grid cloud (INRIA),
Scilab, Python, CMA-ES, expensive-to-evaluate functions.

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).