

Résumé

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<https://aabbtree77.github.io/>

Education

1995 – 1999 BSc (EEng), Vilnius Gediminas Technical University
1999 – 2008 MSc, DSc (Tech), Helsinki University of Technology

Employment

2014 – Now Self-Funded
2013 – 2014 Faculty of Informatics at the University of Lugano
2011 – 2012 École Nationale Supérieure des Mines de Saint-Étienne
2008 – 2009 Dep. of Neurobiology at the University of California, LA
2000 – 2008 Dep. of Comp. Sc. at Helsinki University of Technology

Selected Projects

[initials.dev](#) Shipped a public no-nonsense bulletin board. Welcome.
2026 VPS, Linux, SSH, Makefile, Go net/http, sqlc, PostgreSQL, Docker Compose, Caddy, Vite, React, 12-factor app, 24/7

[miniguestlog](#) Implemented a geo-logger with maximal use of 3rd party.
2025 MERN, render.com, mongodb.com, MaxMind, BearVPN, 24/7

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

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

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

[hal-00723427](#) Sped up Monte Carlo integration in automotive.
2012 Fluid dynamics, Bayesian opt., ProActive PACA Grid

Awards

2008 Doctoral thesis award: “Pass with Distinction”
1999 – 2000 Nokia scholarship