



HORIA MUT

Cerisiers 7 | Gorgier, 2023 Switzerland | +41 78 603 22 45 | horiamut@msn.com
Swiss National | drakesinger.github.io

OBJECTIVE

engine programmer, wizard, or best pilot in the galaxy

EXPERIENCE

The Next Big Thing
Anywhere | Everywhere | Anytime

- Technical Support Agent
Avocis Telag AG | Biel, Bienne | 2011 - 2013
- 1st level technical support for Sunrise clients.
 - Responsible for support of other agents.

SKILLS & ABILITIES

3D Math
Linear Algebra
C/C++, C#
Multicore Programming
CUDA
HLSL, GLSL
OpenGL, WebGL
Software Architecture
Project Management
Git, SVN, Perforce, Jenkins

EDUCATION

- Master of Engineering - Software Engineering
HES-SO MSE | 09/2016 – 03/2018
- Write a GPU solver for integral computations using the MonteCarlo technique.
 - Reverse engineer a Linux executable using different tools (PIN from Intel) to crack the password required for entry.
 - Write shaders for a game prototype in Unity.
 - Design and develop a real-time visual simulation of Saturn and its rings in Unreal Engine 4.
 - Develop and architect a framework for prototyping Virtual Coaches in Unity.
- Bachelor of Computer Science and Multimedia
HE-Arc | 09/2013 – 08/2016
- Project Manager during development of an Android Application to control your home.
 - Design and develop a drone flight physics simulator.
 - Design and develop an ocean surface wave simulator.
 - Define high-level architectural specifications and develop tumor detection algorithms for a radiography scanning application.

CERTIFICATES

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|-----------------------------|------|
| BWS GermanLingua | 2007 |
| Cambridge First Certificate | 2007 |

LANGUAGES

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|---------|--------|
| English | C2 |
| German | B2 |
| French | Native |