



## HORIA MUT

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drakesinger.github.io

### OBJECTIVE

Gameplay 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  
Optics  
C/C++  
CUDA  
HLSL  
OpenGL  
Software Architecture  
Project Management  
Critical Thinking

### EDUCATION

Master of Engineering - Software Engineering  
HES-SO MSE | 09/2016 – 03/2018

- 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.

Bachelor of Science in Economics and Management  
UNIL | 09/2010 – 02/2011

### CERTIFICATES

BWS GermanLingua	2007
Cambridge First Certificate	2007

### LANGUAGES

English	C2
French	C2
German	B2
Romanian	Native