

**Sébastien ROTH**

**(23 years old)**

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*Developer*

## **WORK EXPERIENCES AND PROJECTS**

### **2017-(5 months)-Video acquisition and processing on CGU-Thales Optronics SA-Paris**

- Improved skills on CUDA Framework and NVida API
- Improved skills on QT Framework and OpenGL API
- Optimized the algorithm processing the acquired video

**Environments:** CUDA, QT Creator, C/C++, OpenGL

### **2017-(3 months)-Video Game Development: Rescale. An exploration game on PC**

- Improved skills on Unreal engine 4
- Developed a game in a multidisciplinary team
- Managed the developer of the team

**Link:** <https://gamagora.itch.io/rescale>

**Environments:** Unreal engine 4, Git, Visual studio 2015

### **2016-(6 months)-Development web internship on Angular JS -4PM-Ireland**

- Improved skills on Angular JS and MVC.net architecture
- Worked in an agile team in English
- Fixed bugs on several 4PM websites with MVC architecture

**Environments:** English language, Team Foundation server, AngularJS, MVC.NET, PHP

### **2015 (14 weeks)-Speeding up an electric network simulation thanks to CUDA, Sifoe-Lyon**

- Improved skills on CUDA Framework and C++
- Researched on existing GPU development technology
- Developed several CUDA functions and link the current software with the DLL

**Environments:** C++, C, CUDA, QT Creator

## **KEY SKILLS**

### **-C/C++/C#**

-Artificial intelligence (A\*, Expert system...)

### **-Unity3D/Unreal engine 4**

-3D rendering, shader OpenGL

### **-Writing English technical documents**

-Projects management: UML, merise,  
Agile method

## **HOBBIES**

- Have a passion for the Japanese culture
- Role play gaming

## **TRAINING**

**2016-2017 :** Master's degree in graphics programming

**2011-2016 :** Master's degree EPSI Lyon

**2011-2014** IT Bachelor EPSI Lyon

**2011-2013 :** Superior Technician Degree

## **LANGUAGES**

**-French: Native** ●●●●●

**-English: Fluent** ●●●●○

TOEIC score: 880

**-Japanese: Basics** ●○○○○