

# RÉNALD MORICE

## Computer Science Engineer student

Looking  
for a 6-month  
end-of-studies  
internship starting  
from July 2018

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Chicoutimi, QC

### About me

I am a French international student in dual degree. I am currently finishing a master's degree in Computer Science at the Université du Québec à Chicoutimi.

I have a keen interest in the design of algorithms. Business sectors related to the entertainment (video games, audiovisual, cinema, etc.) are the ones which attract me the most.

### Education

#### 2017-2018 Université du Québec à Chicoutimi (UQAC)

Master's degree in computer science - (video games option) - program 1537 - Example of followed courses:

IT project management, Software engineering, Data mining, Distributed databases, Principles of game engines, Artificial intelligence for video games, Design and development of video games

#### 2013-2018 ISEN Brest (France)

French Engineering school specialized in computer science and electronics education

### Certificates

#### 2015 Cambridge English First (FCE)

English test proving good language skills (B2 level)

#### 2014 Certification Voltaire

French test proving good language skills

### Computer skills

#### Software development

C, C++, C#, Java

#### Operating systems

Linux, Windows, Mac OS

#### Game engine

Unity 3D

#### Photo / Video

Photoshop, Illustrator  
Premiere Pro

#### Web technologies

HTML, CSS, JS  
PHP, Drupal

#### Databases

MySQL, Oracle, PL/SQL  
MongoDB

#### Audio engine

FMOD (bases)

#### Sound recording

Pro Tools, Reason

### Hobbies



### Languages



### Experiences

#### October 2015 - September 2016 Software developer

Salamander Soft - Subsidiary of Alcyon SI

Part-time internship

Brest, France

Salamander Soft develops a software named "S@M" for portfolio management companies whose mission is to get the best possible performance on their customer accounts. S@M is helping a portfolio management company in its daily work.

I have been involved in two main missions. The first one was to design a new module of risk management allowing a manager to automate financial risk controls. The second mission was to make a Website to bring more visibility to the company.

#### July - August 2015 Software developer

Salamander Soft - Subsidiary of Alcyon SI

Internship

Brest, France

Main missions: writing an online documentation for S@M, synthesize supplier imports, allow managers to create new orders and operations massively.

### Projects

#### 2017 2D platform game for mobiles "Lost In DinoWorld" - UQAC

Android 2D game (Side scrolling - Platform) where the player takes control of a scientist at the time of the dinosaurs.

#### 2017 New game engine development - UQAC

The engine use the "Entity-Component-System" architecture and has multiple systems : sound, logic, rendering and physics.

#### 2017 Shooter game between bots with IA "Raven" - UQAC

Add human behavior to bots: goal-directed behavior, fuzzy logic, neural network, Steering Behaviors, team strategy.

#### 2017 Activity monitoring - ISEN

The project consists in developing a monitoring screen showing the activity of a patient living in a medical room (which includes multiple sensors) to better understand his habits and adapt them to his pathology.

#### 2015 LIPS

LIPS is a simplified tablet app for elderly people, managed remotely by their family. This project participated in the Startup Weekend Brest and received the social innovation award at the "Entrepreneuriales" (Quimper, France).

#### 2013 Fire extinguisher robot - ISEN

Project consists of programming the behavior of a fire extinguisher robot. It must put out a fire in an apartment (C program with two versions, text and graphic). It uses the A\* pathfinding algorithm to find the extinguisher.