

# 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 his 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 took part 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\* pathfinder algorithm to find the extinguisher.