RÉNALD MORICE

Computer Science Engineer student

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

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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 algorithms and data structures. I am an open-minded person with a great desire to learn.

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
Python

Web technologies
HTML, CSS, JS
PHP, Drupal, REST

Operating systems
Linux, Windows, Mac OS

Databases
MySQL, Oracle, PL/SQL
MongoDB

Project tools
Scrum method, Github, Trello, Microsoft Office

Photo / Video
Photoshop, Illustrator
Premiere Pro

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 plateform 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.