Nicolas ALFONSI

04/03/1991
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Driving Licence

Language Skills

French   Mother Tongue
English   Proficient   (CEFR C1)
German   Beginner   (CEFR A2)

Programming Languages

Development   C, C++
GUI   Qt, glut
Graphics   OpenGL, GLSL
Web   Php, xHTML, SQL
Other   Matlab,Python

Additional Training

Unity 3D   Game Design course at
Excel with Business

Activities and Interests

Sports   Football
Hiking
Travel   United Kingdom
Scandinavia
C. Graphics   3D Modelling and Animation
Video Games
Arts   Cinema
Music
Reading   Specialized press (Sciences)

WORK EXPERIENCE

June - July 2016 (Internship)   **Marseille Astrophysics Laboratory**, Marseille
Public Research Institute

Developer of a tetrahedral meshing creation and editing tool
Testing the hypothesis of the 67P/Churyumov-Gerasimenko comet's formation in concentric layers – Rosetta Mission (European Space Agency)
C++ development
Using Qt for the user interface
3D rendering with OpenGL
CGAL and qglViewer libraries

September 2011 - November 2016   **Self-employed**, Marseille
Computer Programming

Developer of an augmented reality application
Using javascript and the clm-trackr library for placement of earrings from a live video stream (webcam) in real time.

Website Developer
Defining specifications with the client
Prototype production and design testing
Development with PHP, xHTML, CSS
Accessing SQL databases

June 2011 - October 2016   **Quick France**, Marseille
Fast-food Restaurant

Operations Manager
Team management
Flow anticipation, human and material ressources assignment
Communication
Conflict resolution
Sales associate
Ensuring customer loyalty
Managing inventory and orders to suppliers
Compliance with financial procedures

August 2010 - May 2011   **Quick France**, Marseille
Fast-food Restaurant

Multi-role Team Member
Customer contact
Teamwork
Demonstrating leadership
Compliance with production methods and hygiene procedures

EDUCATION

2015-2017
Marseille,
France
M.S. in Imaging & Systems, Computer Graphics track
Aix-Marseille Université – Faculty of Sciences in Luminy
Technical implementation project: visualisation platform for the calculation of Betti numbers on a binary volume

2014-2015
Marseille,
France
M.S. in Computer Science
Aix-Marseille Université – Faculty of Sciences in Luminy
Final project: online video game development

2011-2014
Marseille,
France
B.S. in Computer Science
Aix-Marseille Université – Faculty of Sciences in Luminy