St-Onge, Etienne   StOnge.Etienne@Gmail.com

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Degrees:

Master in Computer Science, Medical image analysis
    Université de Sherbrooke   from 2013 to 2016

Bachelor in Computer Science, Signal and image processing
    Université de Sherbrooke   from 2010 to 2013
    Université de la Méditerranée (Aix-Marseille II)   2013

Skills:

Language: - Fluent French
    - Functional English

Computer: - Microsoft Windows (XP, Vista, 7, 8, 10), Linux (Ubuntu)
    - Microsoft Office, Libre Office, LaTeX
    - Visual Studio, Eclipse, PyCharm
    - Object-oriented programming, Formal methods
    - C++, C#, Java, JavaScript, SQL, HTML
    - Python, MATLAB, Scilab, Event-B
    - OpenGL, GLSL, VTK
    - Medical image analysis and processing (MRI)
    - Computer Vision, Artificial neural network
    - UML, Agile, XP

Professional Experience:

Research and Development   **Imeka**, CREATE-MIA internship   Summer 2015
    - Surface and 3D mesh visualization, C++, MITK, VTK
    - Surface intersection and coloring
    - Cerebral cortex connectivity analysis

Teaching assistant   **Université de Sherbrooke**   Fall 2014
    - Computer Vision (IMN786-559)
    - Provided assistance to students in need

Research and Development   **Imeka**, CREATE-MIA internship   Fall 2014
- Medical image processing, analysis and visualization
- Diffusion MRI processing on small animals
- Tractography and brain connectivity analysis

Programming internship   **Warner Bros. Games Montréal**   Fall 2012
- Tools and functions for the game Batman Arkham Origin
- Interface and dynamic tables creation
- Programming : C++, C#, ASP.NET, JavaScript

Research internship   **Université de Sherbrooke**, CRSNG   Winter 2012
- Improving quality of magnetic resonance image (MRI)
- Super-resolution and 3D images fusion in Matlab

Programming internship   **Ubisoft Montréal**   Summer 2011
- Tools and functions for Assassin's Creed III game engine
- Geometric and vectorial algorithm creation
- C++ Programming with Visual Studio

Publications:

Surface tracking from the cortical mesh complements diffusion MRI fiber tracking near the cortex
     ISMRM conference 2015; E. St-Onge, G. Girard, K. Whittingstall, M. Descoteaux

Scholarship:

Fondation Universitaire Pierre-Arbour	Fall 2014
FRQNT, Master's Research Scholarship (B1)	Fall 2013
MELS, Student Exchange Programs (CREPUQ)	Summer 2012
NSERC, Undergraduate Student Research Awards	Winter 2012
TD Assurance Meloche Monnex - Tribune des CIO (FUS)	Winter 2012
Warner Bros. Games (FUS)	Fall 2011

Awards:

CREATE-MIA: NSERC CREATE Program in Medical Image Analysis	2013-14
LOJIQ: Les Offices Jeunesse Internationaux du Québec (OFQJ)	2012
Honorable Mention : Department of Sciences, Université de Sherbrooke	2011-13