Laurent Noudohounsi

Mobile Application Developer chez Transportation Research Center at UNLV

laurent.noudohounsi@gmail.com

Résumé

Focused on : - Signal processing & scientific computing - Computer science & mobile application development - Digital audio signal processing, improving listening experience and creating new instruments (hardware & software). Specialties: - signal processing (audio, speech, image and video) & digital audio processing - multimedia & music - machine learning - algorithms - software development (C, Java, C#, Matlab) - mobile application development (iOs & Windows Store Apps) - electronic

Expérience

Mobile Application Developer , Transportation Research Center at UNLV
avril 2014 - mars 2015 (1 an)

In charge of the development of a C# mobile application (Windows phone & Surface pro) for the police of Las Vegas. This application allows them to fill in a form when a crash accident happens. I am focus on: - elaboration of a local database. - implementation of image (driving license & ID) and speech recognition and geolocation. - sending data from the application to a database server. - designing the GUI.

Engineering Intern - Research Assistant , Institut de neurosciences de la Timone
mai 2013 - juillet 2013 (3 mois)

Research and implementation of algorithm (using Matlab) of transfer entropy for effective connectivity & graph theory.

Intern , Arturia
juin 2012 - juin 2012 (1 mois)

Focusing on software and hardware debugging. Stock management.

Intern as acoustic technician , IRSST
avril 2011 - juin 2011 (3 mois)

In charge of the qualification of the laboratory's acoustics rooms (ICAR). Study of the acoustics of noise source and ear defenders with the help of B&K equipment.

Intern as sound engineer assistant , Radio Grenouille
avril 2008 - avril 2008 (1 mois)

Focusing on the sound design of the radio and on the recording of the interviews.

Projets

Compiler for MIPS assembly language

septembre 2012 à décembre 2012

Membres :Laurent Noudohounsi

Software engineering project : C programming of a compiler for MIPS assembly language

MIDI controller

janvier 2013 à mai 2013

Membres :Laurent Noudohounsi, Prune Irolla

Development (hardware & software) of a MIDI controler using C, Python and Arduino technology (faders, potentiometers, LCD display and launchpad with RGB LEDs).

Development of a speech processing software

octobre 2013 à janvier 2014

Membres :Laurent Noudohounsi, Prune Irolla

Transform a voice into a male or female voice. Project based on Matlab.

Implementation of audio algorithms on a DSP

octobre 2013 à janvier 2014

Membres :Laurent Noudohounsi

Implementation of an equalizer & audio effects on the Motorola DSP 56k.

Compétences et expertise

Digital Signal Processing
Audio Processing
Algorithms
machine learning
Matlab
Software Engineering
mobile development
C
Objective-C
C#
iOS Development
Windows Phone Development
Multimedia
DSP
Acoustics
Java
C++
Image Processing
Databases
Xcode
Visual Studio
Unix

MIDI
Traitement du signal
Assembly Language
VHDL
XAML
Ableton Live
Signal Processing
SQL
Embedded Systems
Eclipse
Software Development
Logic Pro
Programming
Linux
Video Processing
Mobile Applications
MVC
Music
Sound
Sound Mixing
Microsoft Office
Algorithmes
Programmation orientée objet
Apprentissage automatique
Altium
Arduino
SQLite
JUCE

Langues

Français   (Bilingue ou langue natale)

Anglais   (Capacité professionnelle complète)

Distinctions et prix

Bulats (Business Language Testing Service)

décembre 2013

   Score : 72/100 CEF level : B2

Formation

University of Nevada-Las Vegas

Master's degree, Computer Science, 2014 - 2014

Phelma - Grenoble INP (Institut National Polytechnique)

Master of Engineering (MEng), Electrical and Computer Science, 2011 - 2014

Grenoble INP - Phelma

Bachelor of Science (B.S.), Electrical and Computer Science, 2011 - 2012

IUT de Marseille

DUT Mesures Physiques (equivalent to Associate Degree), Physics, 2009 - 2011

Centres d'intérêt

Music (keyboard, piano, bass, dj, electronic music producer). Music production. Computer science, digital audio processing. Sport & eat chocolate cookies.

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Linked in.

2 personne a recommandé Laurent

"Laurent is an enthusiastic, hard-working and easy-going young man. He spent one month as a trainee with Arturia and I could see him taking action with efficiency and good sense. On his last day we did a debriefing of his training period and he proved very good in his suggestions."

— **Frédéric Brun**, encadrait indirectement Laurent chez Arturia

"Laurent is hardworking and really motivated by programming. He uses his external expertise to better address a difficult problem and does not hesitate to deal with problems in a group."

— **Bastien Hell**, a étudié avec Laurent à Phelma - Grenoble INP (Institut National Polytechnique)

Prenez contact avec Laurent sur LinkedIn