EMMANUEL RUAUD

Software developer

📞 06.67.91.84.41   @ em.ruaud@gmail.com   📍 Villeurbanne, France   in eruaud   o-reo

EXPERIENCES

C++ and Python developer
Freelance

📅 Jul 2019 – Now   📍 Lyon

Software development projects working with Snatch and Substances actives. Marketing and advertisement, medical.

C++ teacher
Campus Ynov

📅 Nov 2019 – Now   📍 Lyon

Advanced C++ development classes for 3rd year students. 24h of classes and 32h of project follow-up.

C++ developer
Teazit

📅 Jan 2019 – Jul 2019   📍 Lyon

Development of the second iteration of an embedded software of smart and interconnected cameras for use in concert venues.

Acoustical engineer
QCS Services

📅 Féb 2014 – Jun 2017   📍 Noisy-le-Grand

Measurement and studies. Leading developer of various tools in Excel VBA and Python.

Research scientist
Free Field Technologies

📅 Sept 2012 – Feb 2013   📍 Louvain-la-neuve, Belgique

Working closely with the development team, I researched and validated an hybrid method (Infinite Element / PML) for use in the software solution ACTRAN.
Aeronautic and Automotive.

Software developer
Harman international

📅 Jul 2011 – Sept 2011   📍 Château-du-Loir

Translation fo a software from C# to Matlab and addition of new features. This software is used to process acoustical data for the calibration of audio integrated system in high-end cars.

WHAT I SEEK

"I would like to contribute in a meaningful project as part of a team of enthusiast and proactive engineers."

PROJECTS

Snatch Studio Slim
A video processing web service offering an AI driven cropping used to shape a video from landscape to portrait for use in social media.
Using C++ with OpenCV and the AWS SDK.

Visual Activ
A video kiosk aimed to medical offices, broadcasting informative content selected with an API.
Using a Raspberry Pi, Python and Gtk.

Teazit Studio
An interconnected camera system that broadcasts the more meaningful video stream from a set of AI powered cameras.
Using C++, Gstreamer and Qt on Nvidia Jetson embedded systems

Fair Control, First prize Hacklyon 2018
A day by day heatmap of fraud predictions on NYC public transportations using a random forest machine learning algorithm
Using Python with Dataiku and Scikit-learn.

Hypertube
A video streaming platform using peer to peer protocol.
Using Javascript with NodeJS, Angular and MongodB.

SKILLS

Conciliator   Farseeing   Innovative

C   C++   Python   OpenCV   Glib

FORMATIONS

Software developer
École 42
📅 Nov 2017 – Mar 2020 📍 Lyon

This school uses peer pedagogy and gamification to offer the student to learn along well designed and ambitious projects that challenges new skills and technologies.

Acoustical engineer
Technical University of Denmark
📅 Dec 2012 – Jun 2013 📍 Copenhagen

Fondamental acoustics, architectural acoustics, psychoacoustics.
A 6 months ERASMUS program.

Acoustical Engineer
ENSIM
📅 Sept 2009 – Jun 2012 📍 Le Mans

Acoustics and vibrations.
With classes such as software development in C++ and Matlab, ethics, numerical simulation, electronics, and fondamental acoustics.

LANGUAGES

English   Professionnal TOEIC 845 / B2

Spanish   Notions

INTERESTS

Scientist
Methodology, synthesis, technology intelligence.

Guitarist
Rigor, teamwork, creativity.

Singer
Oral expression, self-improvement, audience.