

# Elie Génard

## Resume for a developer position

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## Developer

### Professional experience

2015 - 2017 **Developer in a studio** London  
Stink Studios

- Project :** [RITA \(Rendering In The Air\)](#)  
Real-time rendering of dynamic videos
- Project :** virtual tour of Abbey Road studios - Google Cardboard : [Inside Abbey Road](#)  
Unity development
- Project :** interactive tour of the National Parks of the United State: [National Parks](#)
- Project :** interactive website for the Google Cultural Institute : [Google Performing Arts](#)  
Development of a 360° video player

Mars-July 2014 **Internship in a computer science laboratory** Bordeaux  
LaBRI - Laboratoire Bordelais de Recherche en Informatique

- Project:** Scalable video summarization of cultural video documents in cross-media space based on data cube approach (international French-Mexican project)  
Extraction and clustering of low-level audiovisual feature descriptors  
Software development in C++

June-September 2013 **Internship as an engineer assistant in signal processing** Grenoble  
Movea

- Project:** Step detection for pedestrian navigation  
Data analysis of embedded inertial measurement unit recordings  
Step detection model made with Simulink

### Education

2011 - 2014 **Master's degree at Grenoble INP Phelma** Grenoble  
PHELMMA - School of Engineering in Physics, Electronics and Materials Science

- 2013-2014 Art, Science and Technology semester  
*HMI - Haptic interfaces - Programming for interactive creation*  
**Project:** Interactive juggling with a diabolo  
Tracking of the juggler with a Kinect and audiovisual generation
- 2012-2013 Physics and nanosciences  
*Quantum physics - Solid-state physics - Laser physics*  
**Project:** Ultrafast MRAM memories  
Simulation of the behaviour of magnetic nanopillars (C++)

2008 - 2011 **Preparatory Class to Grandes Ecoles** Poitiers  
Intensive three-year course to prepare for the competitive entrance into France's leading colleges - MPSI - MP - MP\* at Lycée Camille Guérin  
Physics and mathematics - Engineering science option

### About

**Age:** 27  
**French:** mother tongue  
**English:** fluent  
[github.com/elaye](https://github.com/elaye)  
[elaye.github.io](http://elaye.github.io)

### Skills

SYSTEM  
C/C++ ● ● ● ○  
Haskell ● ● ○ ○  
Rust ● ○ ○ ○

WEB  
HTML ● ● ● ●  
CSS ● ● ● ●  
Javascript ● ● ● ●

OS  
GNU/Linux ● ● ● ○  
macOS ● ● ● ○  
Windows ● ● ○ ○

HARDWARE  
Arduino ● ● ● ○  
Raspberry Pi ● ● ● ○

MISC  
OpenGL ● ● ● ○  
GLSL ● ● ● ○  
openFrameworks ● ● ● ●  
L<sup>A</sup>T<sub>E</sub>X ● ● ● ○

CAPTION  
Beginner ● ○ ○ ○  
Intermediate ● ● ○ ○  
Advanced ● ● ● ○  
Expert ● ● ● ●