

# Clément GEIGER

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France  
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25 years old  
French

## Desktop software engineer passionate about robotics

### Work experience

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- 2012 - present      Desktop software engineer at **Aldebaran** (Paris, France)  
Maintenance and extension of existing softwares (Choregraphe & Monitor). Creation of debugging and monitoring toolchain to answer the needs introduced by the **Pepper project** and changes in the underlying **NAOqi** robot framework. Strong focus on **product usability**.
- 2012  
(6 months)      Software engineer intern at **Gostai** (Paris, France)  
Work on the remote presence robot **Jazz** : design and implementation of a configuration GUI embedded on the robot. The GUI was written in **Urbiscript**, using Qt bindings.
- 2011  
(4 months)      Software engineer intern at **Schlumberger** (Abingdon, UK)  
Implementation of a **multiple constraints solver** for **reservoir simulation** in ECLIPSE, Schlumberger's reservoir simulator.
- 2010  
(3 months)      Software engineer intern at **Philips Applied Technologies** (Eindhoven, Netherlands)  
Extensions on an **audio demonstrator software**: looping and seeking through audio files. Work was done bottom-up, from the audio pipeline framework to the GUI.

### Education and qualifications

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- 2011      Erasmus student exchange at **KTH** (Stockholm, Sweden)  
Machine learning, artificial intelligence, imaging technologies, network architecture
- 2007 - 2012      Master of Engineering at **INSA de Lyon**, top-tier engineering school  
Strong scientific background and specialization in computer sciences
- 2007      "Baccalauréat scientifique" with honours

### Additional skills

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- Programming      Languages : **C++**, Javascript, Python, Lua, Matlab, Shell, Java  
Low-level and embedded : C on Microchip Pic, Motorola 68k assembler, VxWorks OS,  $\mu$ C/OSII  
Frameworks: **Qt**, PyQt, Boost, GoogleTest  
Skills: Design patterns, machine learning, AI, multithread programming, test driven development, agile methodologies
- Transverse skills      **GUI usability**, IT project management & Quality Assurance
- Languages      **English fluent & IT Technical** - TOEIC score: **980/990**  
French native speaker; German spoken and written - equivalent to european level B2

### Interests

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**Sports**: Cycling passionate, fixed gear *aficionado* **Music**: jazz & electronic music listener **Photography**: regular analog photographer **Computer sciences**: interest in Linux and free softwares (Mozilla contributor), weekend tinkerer