



**CYRIL LUGAN**  
SENIOR SOFTWARE ENGINEER

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32 years old  
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## EXPERIENCES

**Consultant** | 2019 - now | Nantes, France

Helps to design and prototype your projects, software and hardware.

*Advisor and developer – focusing on connected things, instruments and robots.*

**Robotics software developer** | 4 years : 2014 - 2019 | KEECKER, France | [keecker.com](http://keecker.com)

Keecker is a home robot, with a projector and a sound system to interact with the user.

*Design of the hardware and software architecture, control algorithms and autonomous navigation. In a startup from 8 to 30 people. I experienced critical periods like fund raising, prototyping, recruitment, production commercialization and maintenance.*

**Head of instrumentation** | 1 year: 2012 - 2013 | French Polar Institute, Antarctica | [institut-polaire.fr](http://institut-polaire.fr)

Winter-over on the Dumont d'Urville Antarctic station, with 25 people in complete autonomy.

*In charge of the maintenance of scientific acquisitions, computer network and satellite connections. Among other things, I worked on the field with robots to shoot the documentary Penguins: Spy in the Huddle.*

**Academic research** | 3 years: 2009 - 2012 | IntRoLab, Canada | [introlab.3it.usherbrooke.ca](http://introlab.3it.usherbrooke.ca)

Master of Research at the University of Sherbrooke robotics laboratory.

*I discovered the research literature and the state of art in personal robotics. I continue this technological watch since then. I worked on an internal representation of the environment for a humanoid robot.*

**Web developer** | 4 projects from 2007 to 2011

Self taught, I started programming at middle school by developing games and Web pages.

*Since then I did some paid projects for the engineering school junior enterprise, in internships and in freelance.*

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## TECHNICAL SKILLS

Applications	Instrumentation, Mobile robots, person-computer interaction, machine learning
Architecture	Linux, Android, Ruby on Rails, ROS
Implementation	C++, C, Java, Ruby, Python, R, VHDL, Web, SQL, using OpenCV, TensorFlow
Environnement	Vim, Git, continuous integration
Hardware	Prototyping: STM32, Snapdragon, Arduino, Xilinx FPGA

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## EDUCATION

**Electronics engineer** | ESEO, Angers, France | 2010

Specialization in embedded systems.