

**Alexandre MAZEL**

**Chief Creative Officer**



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## Skills

Innovation, research and field experimentation - human-robot interaction - multi-platform development  
AI: computer vision, sound processing, learning, classification, face recognition, chatbot...

Energy - mutual respect and idea exchange - curiosity, brainstorming and problem solving -  
commitment and self motivated - empathy, patience and diplomacy - calm under stress - happy and  
optimist - humility generosity and pleasure to communicate, share and teach.

## Experiences

**2008-2022**

### Aldebaran Robotics / SoftBank Robotics Europe

2015-2022(sept): **Innovation director**

2008-2014: **Engineer-Researcher R&D and AI**

#### *Lead the software innovation department*

- Define the strategic roadmap with VPs
- Manage the software innovation team made of:
  - Protolab: Explore new markets and uses  
(1 manager, 1 researchers, 4 devs, 1 PhDs and interns),
  - AI Lab: Research on Developmental Robotics  
(1 managers, 3 researchers, 7 PhDs and interns),
- Promote innovation internally and externally  
presentation to the whole company, international conferences, investors...

#### *Research & Development*

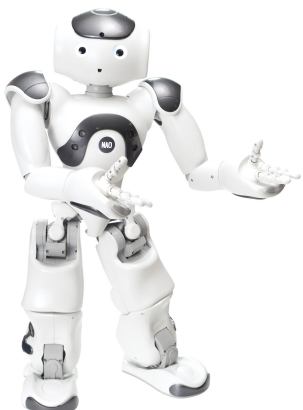
- Research on Long Term HRI, grasping, navigation...
- 21 scientific publications (583 citations) and 3 patents
- Participation to 15+ collaborative french and european research projects.
  - Felix Growing (FP6) 3.3M€  
Designing robots that can detect and respond to human emotional cues
  - ROMEO (ANR) 37M€  
Creation of a human sized humanoid robot
  - ROMEO2 (FPSC) 10+M€  
Define and implements scenario for Romeo usage
  - RASPO 600k€  
Serious game to teach mathematics to children 5-7
  - EARS (FP7) 1.9M€  
Enhancing audio capability of NAO
  - DREAM (FP7) 8.7M€  
Robot-Enhanced therapy for children with Autism spectrum disorders
  - MUMMER (H2020) 5.3M€  
Pepper interacts with customers in big mall
  - L2TOR (H2020) 3M€  
Second Language Tutoring using Social Robots

#### *Communication*

- Strategic demonstrations with NAO, Romeo and Pepper
- Trainings, conferences, events
- Videos production & buzz (22M+ views)

#### *Development*

- Development of the NAO SDK: NAOqi  
an optimised stable modular multiplatform tools used by 40k+ robots.
- Dedicated development: computer vision, sound analysis, learning, hri.
- Prototypes production and demonstration (robots and accessories)



## Experiences (continuation)



## Visiware

### 2004-2008 **Producer**

- Product and launch two new interactive channels
  - MiniKidsTV: itv channel for kids available in 12 countries
  - SensualTV: itv channel dedicated to adults available in 17 countries
- Manage and/or develop 20+ casual multi-platform games on mobile, web and interactive TV (tri-play)  
planning, results monitoring, development & contents production

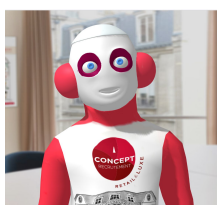
## Masa Group (Mathématiques Appliquées SA) / Oiko Entertainment

### 1999-2004 **Project Manager**

- Conflict Zone - Real Time Strategy game edited by UbiSoft
  - AI development
  - Leader of the console port (DC & PS2) - sold to 100000+ copy in US  
adaptation to console, new dedicated IHM, graphic, sound and IA optimisation, specific console assembling, stripping, gfx compression..., debugging, guidelines checking...
- Direct IA
  - Development of new features
  - Demonstration on the Sony PlayStation 2 prototype (greenbox).  
Grant DirectIA to become an official PS2 middleware.



## Other Experiences 2021-now



### **OBO's World**

Founder of a startup dedicated to recruitment using virtual agent

- Ideas and specification
- AI Development and tuning  
Web scraping, data mining, dialog generation, ocr, 3D, animation...
- Web architecture

### 2021-now **Engrenage Innovation**

Founder and CEO of a SAS dedicated to Consulting, development and experimentation in Innovation and Research in the field of embedded systems.

2020-now Associate researcher, Respiration & Social Sciences Dpt, UMRS 1158 Pitié-Salpêtrière Hospital & Sorbonne University, Paris

2020-now "IA and Society" teaching at Louise-de-Marillac High School  
(private high school in Paris 5<sup>ème</sup>)

## Langues

French: native

English: proficient: B2/C1

## Education

1998-1999: DEA "IA et Reconnais. des Formes et Applications" - Paris VI ~post-graduate diploma in AI and applications

1996-1998: MST "Experts en système informatiques - Paris VI ~Master Degree in Computer Systems Expert

1994-1996: DUT Analyste Programmeur - Paris V ~1.5 degree in Computer Science

## Interests

Bike & Run - Numeric production (music,photo,video) - Programming - DIY with wood, mechatronics or loudspeaker.