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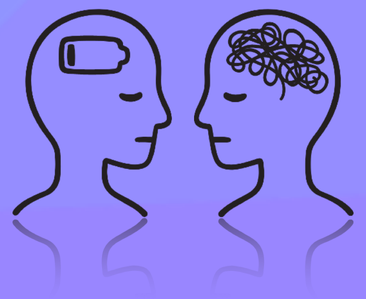

Re-Humanize Technology

Diglio Simoni
Founder and CEO

aline.today

The Team

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Capabilities

- 35+ years of professional experience in Academia, Business and Government
- NASA Jet Propulsion Laboratory, NASA Ames Research Center
- NASA Prize for “Exceptional Technical Creativity”
- Training in Computer Science, **Neuroscience**, Mathematics, **Cognitive** and Neural Systems
- **Publications** and **Patents** in AI, Semantics, NLP, Fault Prediction, Data Quality

Achievements in Industry

- NASA JPL (Computer Vision), NASA Ames (Virtual Reality), Apple (Knowledge Graphs), Sony (Sentiment Analysis), T-Mobile (AIOps), SABIC (Semantic Search), Telmar (Marketing), Sembcorp (Turbine Optimization), Halliburton/Landmark (Sensor Data Quality), Comcast (Technical Support Triage), Credit Suisse (Automatic Software Testing), Citibank (Test Suite Optimization), Lexmark (Nonlinear Correlation), CVS (Personalized Health), RTI (Agent Based Models), YellowBrix (Classification)

The Context

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What happens when we TRUST systems based on AI, given their lack of:

- **Explainability** (black box)
- **Fairness** (biased data)

Damaged Reputation
From biased or unsafe results

Compromised Integrity
From well known AI deficiencies

Compliance Hurdles
From increasingly complex laws

The Problem

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Because most AI Ethics proposals lack guidance there is a need to operationalize the principles to show compliance with regulations

Entity	Relevant Principles and Guidelines
OECD	**OECD AI Principles**: human-centered values and fairness, transparency and explainability, robustness, security, safety and accountability
EU	**Artificial Intelligence Act**: binding for high-risk activities, such as AI model fairness, robustness, auditability and accountability
Canada	**Directive on Automated Decision-making:** binding for government use of AI and regulates activities of AI suppliers through Algorithmic Impact Assessment Tool
USA	Federal Trade Commission already investigating biased algorithms under Section 5 of the **FTC Act, Fair Credit Reporting Act (FCRA)** and the **Equal Credit Opportunity Act (ECOA)**

The /ALINE Platform

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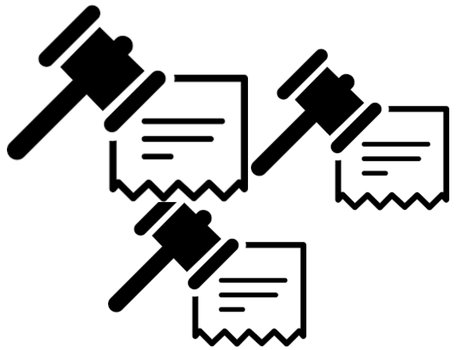
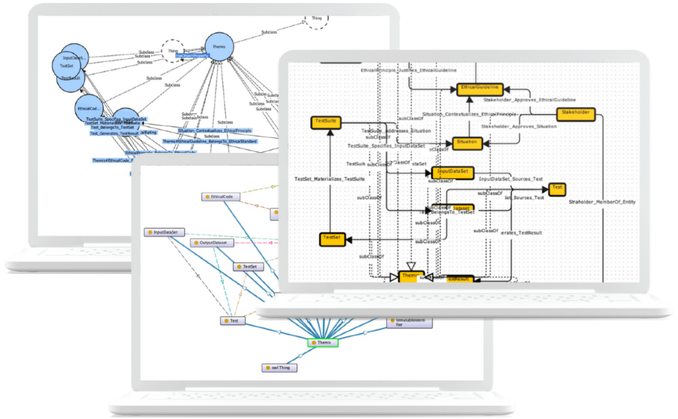
Clients develop, manage and continuously execute a rational and robust workflow that contextualizes and reduces to practice applicable AI Ethics regulations



Interpret Regulations



Validate Compliance

Obtain “Living” Certificate

The /ALINE Solution

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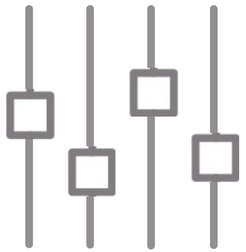
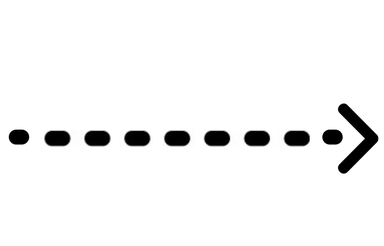
An **EaaS** (Ethics as a Service) **platform** that provides:

- **Strict self-governance**
- **Continuous validation**
- **Real-Time certification (NFT)**



Governance Framework
Customer-driven testing workflow to generate reproducible metrics



Validation Framework
Event-driven, scheduled or on-demand testing and evaluation

Certification Framework
Validated inmutable timestamped certificate management

In Summary

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- **Huge Opportunity -** AI permeates the market so all entities are potential clients: the EU AI Act proposes up to **30 Million € noncompliance fines**
- **Unique Technology -** One solution for **interpreting** regulations, **executing** contextualized validations and producing **certifications**
- **Broad Experience -** Technical leadership's capabilities span **30+ years** working with academic, commercial and government clients
- **Strong Traction -** AI Ethics compliance ecosystem depends on **independent** third party certification services

Ethical Implications of AI for Gen Z

Gen Z, born in the late 1990s and early 2000s, is deeply concerned about the ethical implications ofAI

Gen Z's Concerns

1

Exposure to Technology

First generation growing up with internet and smartphones, more aware of potential risks of AI.

2

Data Privacy

More concerned about data privacy than previous generations, wary of AI collecting and analyzing personal information.

3

Social Media Impact

Worried about AI amplifying misinformation and propaganda, a result of growing up with social media.

Support for AI Regulations

Surveillance and Social Control

Concerned about AI tracking movements, monitoring online activity, and manipulating behavior.

Job Displacement

Worried about AI automating jobs, potentially leading to widespread unemployment and social unrest.

Weapons Development

Concerned about AI being used to develop autonomous weapons, leading to a new arms race and increased risk of nuclear war.

Importance of Human-Centered Approach

1

Transparency and Accountability

Demanding greater transparency and accountability from AI developers about how their algorithms work and how they are used.

2

Ethical Guidelines

Supporting the development of ethical guidelines for AI to ensure fair, just, and equitable usage.

3

Public Education

Advocating for public education about AI to help people understand the risks and benefits and use it safely and responsibly.

Empowering Gen Z

Informed & Engaged

More informed and engaged generation, well-placed to lead the charge on addressing AI ethical concerns.

Speaking Out Against Injustice

More willing to speak out against injustice, making them impactful voices in addressing AI ethics.

AI Education Initiatives

1 2 3

Formal Education

Advocating for AI education to be part of formal educational curriculum.

Community Workshops

Organizing community workshops to educate about AI's ethical implications.

Collaborative Efforts

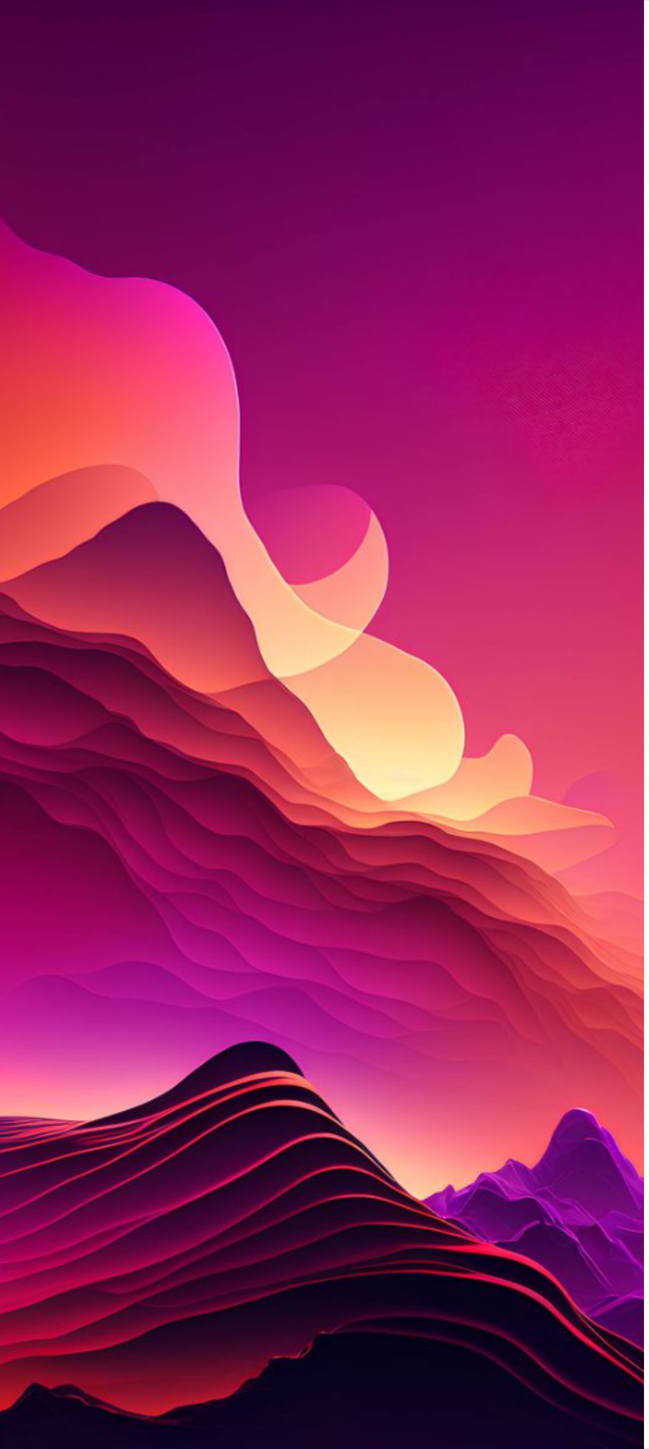
Joining hands with industry experts to create comprehensive educational programs about AI.

Building a Responsible AI Future

Empowerment	Advocacy	Educational Initiatives
Supporting Gen Z's efforts to address AI ethics	Encouraging policymakers to prioritize responsible AI development	Ensuring comprehensive educational initiatives on AI ethics and responsible usage

Global Chief Ethics Officer Certificate Program

The Global Chief Ethics Officer Certificate Program would offer comprehensive training and development for ethical leaders worldwide



Purpose and Outcomes

1

Purpose and Importance

Promote Ethical Leadership

Phase of Change vs Change of Phase

2

Objectives and Outcomes

Community of Practice

Future-Readiness

Target Participants

1

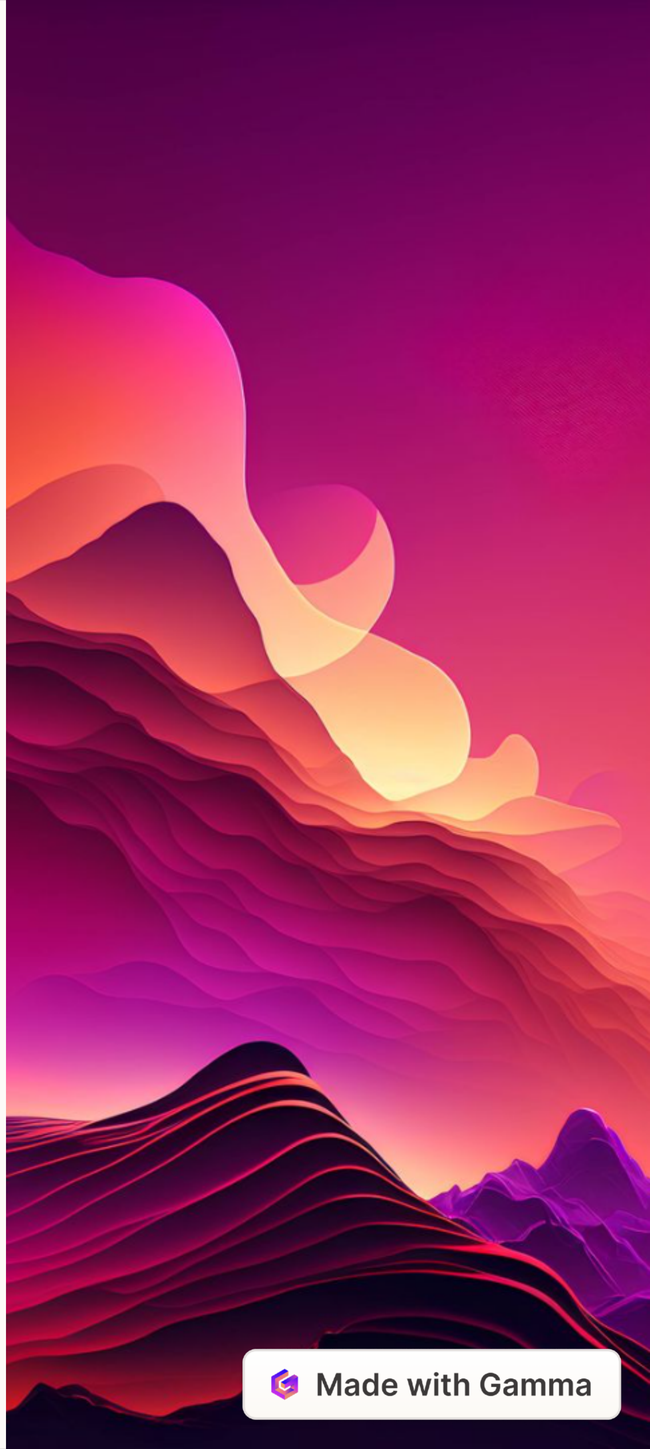
Students

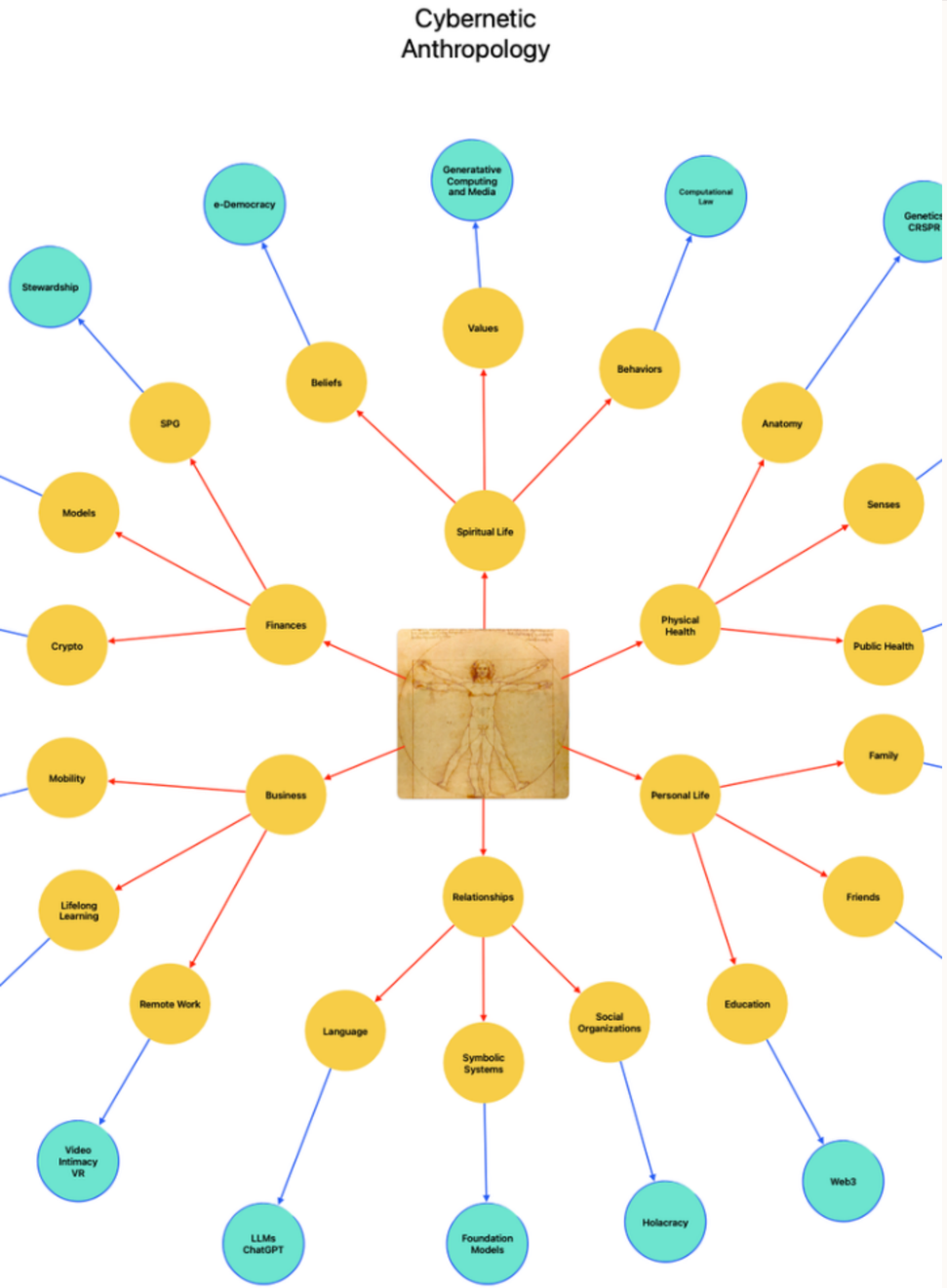
C-Level Executives in their second or third phase of their entrepreneurial trajectory

2

Instructors

All possible areas of import vis-a-vis AI's impact on their fields





Cybernetic Anthropology

Explore the intersection of technology and human culture: the ways in which advancements in AI impact society.

Study how humans interact with AI systems and how these systems shape our humanity.

Participants in the Global Chief Ethics Officer Certificate Program gain insights into the ethical considerations involved in the development, deployment, and regulation of AI technologies.

Results of the Program

Professional Growth

Unlock opportunities for personal and professional stewardship

Enhanced Ethical Leadership

Develop essential skills and competencies for ethical leadership.

Help Leaders form Future Leaders

Connect with GenZ specifically

Program Followup

1

Ongoing Systematic Review

Worldwide continuous involvement

2

Joint Research

Academic-Business Collaborations

Conclusion

1

Why Us?

UNAV/IESE/Tecnun

Complementarity of Areas

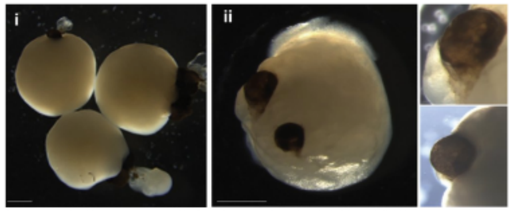
2

Why Now?

AI is just the beginning…

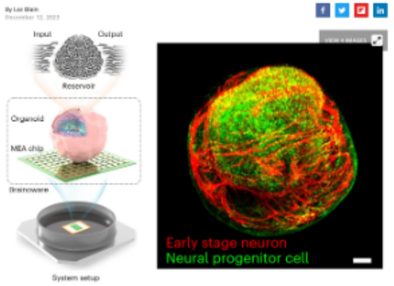
Scientists Grew 'Mini Brains' From Stem Cells. Then, The Brains Sort-of Developed Eyes.

HUMANS 10 December 2023 By MICHELLE STARR



Brain organoids with optic cups at day 60 of development. (Gabriel et al., Cell Stem Cell, 2021)

Cyborg computer with living brain organoid aces machine learning tests



Pope calls for treaty regulating AI, warning of potential for ‘technological dictatorship’

By Christopher Lamb, CNN

2 minute read · Published 10:53 AM EST, Thu December 14, 2023