Why are we here at Queer in AI?

Why do we gather in this way? Why do we organise?
What is Machine Learning?
Computer science is the study of the phenomena surrounding computers. The founders of this society understood this very well when they called themselves the Association for Computing Machinery. The machine—just the hardware, not the programmed, living machine—is the organization we study.

This is the 1948 Turing Lecture. The nine persons who provided us on this platform have presented nine different views of computer science. For our organization, the machine can be studied at many levels and from many sides. We are deeply honored to appear here today and to present yet another view, the one that has permitted the scientific work for which we have here.

**Sociological**

**Psychological**

**Componential**

**Physiological**

**Sun’s Phenomenological Levels**

**Classical Cognitive Architecture**

**Knowledge**

**Symbolic**

**Physical**

**Computational**

**Algorithmic**

**Implementation**

**Marr’s Levels of Analysis**

*Computer Science as Empirical Inquiry: Symbols and Search*

Allen Newell and Herbert A. Simon
## Products to Principles

### Applications
- Assistive Technology
- Advancing Science
- Climate and Energy
- Healthcare
- Fairness and Safety
- Autonomous systems

### Reasoning
- Planning
- Explanation
- Rapid Learning
- World Simulation
- Objects and Relations

### Information
- Uncertainty
- Information Gain
- Causality
- Prediction

### Principles
- Probability Theory
- Bayesian Analysis
- Hypothesis Testing
- Estimation Theory
- Asymptotics
Epistemic Values
Generalisability of a theory, reproducibility, falsification

Contextual Values
Political, social, cultural
For those of us who live at the shoreline standing upon the constant edges of decision crucial and alone for those of us who cannot indulge the passing dreams of choice who love in doorways coming and going in the hours between dawns looking inward and outward at once before and after seeking a now that can breed Futures...
Simon Nkoli

Jason Jones

Tongzhi | 同志 activism

Pictures: Simon Nkoli from the Ubuntu Biography Project; Jason Jones from pinknews.com; Bev Ditsie from newframe.com; Simon, Mandela and McKelian from zammagazine; Peter Tatchell from the Peter Tatchell Foundation.
THE

DESCENT OF MAN,

AND

SELECTION IN RELATION TO SEX.

BY CHARLES DARWIN, M.A., F.R.S. &c.

IN TWO VOLUMES.—Vol. I.

WITH ILLUSTRATIONS.

LONDON:
JOHN MURRAY, ALBEMARLE STREET.
1871.

[The right of translation is reserved]
Queering our Technical Field
Belonging
Solitude
Critical and Responsible
Our strength:
A unique view
on ML.

Community of
nurture and
belonging.
We are what the atmosphere is, transparent, receptive, pervious, impervious,
We are snow, rain, cold, darkness, we are each product and influence of the globe,
We have circled and circled till we have arrived home again, we two,
We have voided all but freedom and all but our own joy.
Queering Machine Learning

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Some references and books