



Welcome to Qlight

Team 6

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QLight

A Photonics Interplay



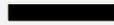
In quantum mechanics, a particle exists in all states until observed. We built a light that does the same — alive with possibility until you walk beneath it.





Inspiration

6 people, 1 question: what is light to us?





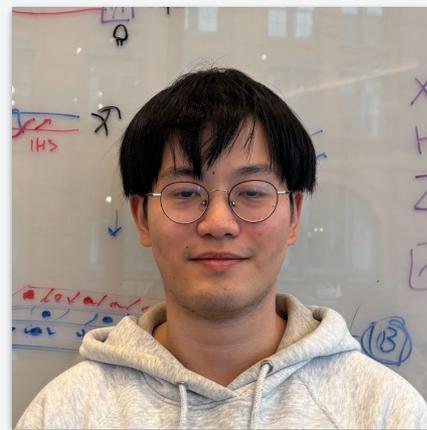
"Luminous"

Anto 



"Graphics"

Adrian 



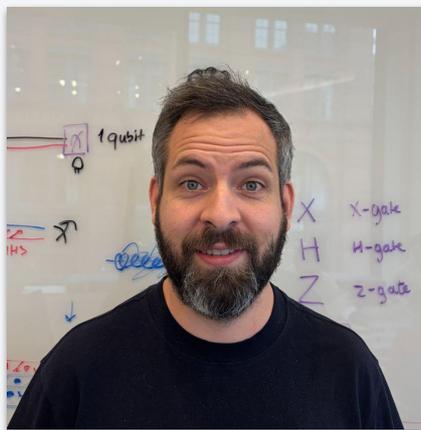
"Electromagnetic Radiation"

Lao 



"Vision"

Monica 🖍️



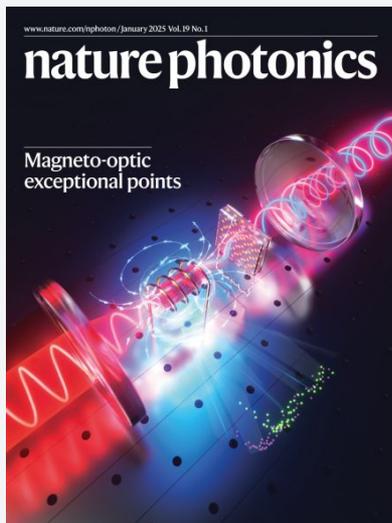
"Immersive"

Pablo 🖍️



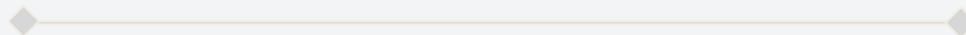
"Clarity"

Jack 🖍️



Science

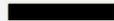
Art

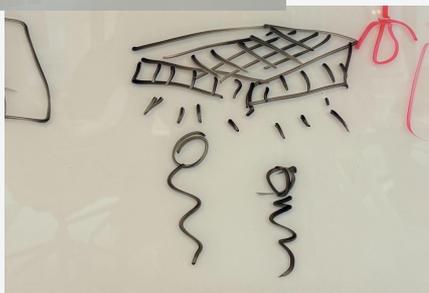
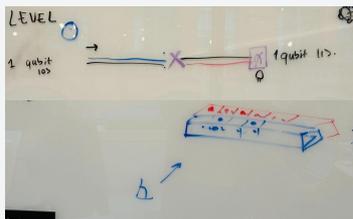




Evolution

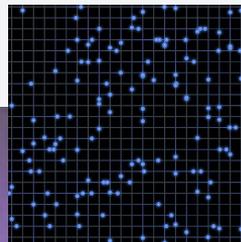
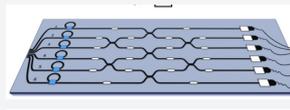
How our idea evolved...





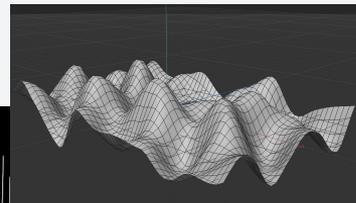
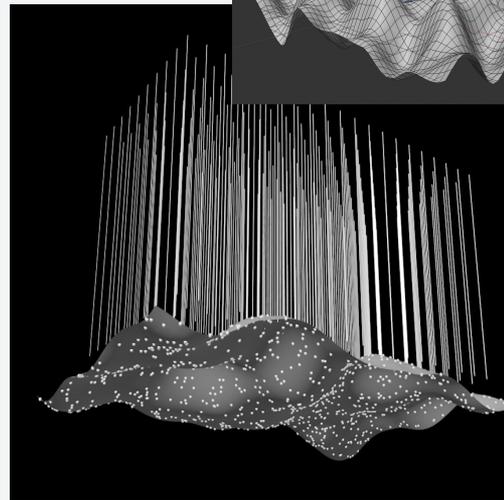
Stage 1

Qubits. Photonics. Gates.
Measurement collapse.



Stage 2

Challenge turning science
into physical art



Stage 3

Visualizing both process
and outputs



Science

Explaining the metaphor



PHOTON LAB

DUAL-RAIL PHOTONIC QUANTUM CIRCUIT



GATE PALETTE - DRAG TO CIRCUIT



AUTO STEP RESET

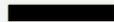
HERMITIAN GATES - $G^2 = \text{IDENTITY}$

X: Swap rails H: Beam splitter Z: Phase shift ⚡: Decoherence



The future

Where can QLight go...





Fin

Thank you for the day!