



curriculum vitae Peter De Ceuster

Scientist | Entrepreneur | Author | Innovator | Coder
peterdeceuster.uk | Contact Form

Professional Summary

Dedicated scientist and entrepreneur with a portfolio spanning quantum photonics research, molecular biology, artificial intelligence, mathematics, and business innovation. Founder of multiple enterprises in science, technology, retail, hospitality, and wellness, with a proven track record in concept-to-launch product development, investment planning, and brand building. Author of pioneering theoretical works in photon-soul resonance, higher-dimensional physics, AGI meta-cognition testing, and molecular drug discovery. Combines academic rigor with entrepreneurial execution to deliver both groundbreaking research and sustainable businesses. As educator holds degrees in biology and mathematics, belgian lower and high school. Masters traject.

Data-driven professional with expertise in workflow automation and business process optimization. Skilled in using low-code platforms like n8n to build automated solutions that increase efficiency, reduce manual tasks, and improve data accuracy. Proven ability to translate business needs into technical requirements and deliver measurable results. Python programming specialization. C++, sql..



Core Competencies

- Scientific Research & Publication: Quantum photonics, higher-dimensional physics, AI meta-cognition, molecular biology, category theory (45 publications across mathematics, physics, psychology, molecular drug discovery, AGI and quantum chip production)
- Entrepreneurship & Business Strategy: Concept creation, multi-sector business integration, investment planning, marketing strategies
- Software & Technology Development: Proprietary software systems, fintech solutions, AGI testing frameworks
- Creative Writing & Publishing: Scientific papers, books, educational and fiction works, psychological and philosophical essays
- Hospitality & Tourism Ventures: Staycation resorts, restaurants, sari-sari shops, scooter rentals, wellness services

Selected Scientific Publications & Theories

- Quantum Eigenstate Dynamics for Artificial General Intelligence Synthesis
- Illuminating the Breakthrough: A Dual Verification of the Geometric Langlands Conjecture Proof
- Beyond the Standard Model: Analytic Approach for the detection related to Unobserved Laws of Nature
- Yang-Mills Existence and Mass Gap in Four Dimensions: Important hints and clues
- Identifying Theoretical Gaps in Hawking's Black Hole Radiation Model in Light of Modern Photonics and Higher-Dimensional Photon Propagation
- On a Newfound Panorama in Geometry and Category Theory: A Tribute to Grothendieck
- The Holographic State Space: A Mathematical Formalism for the Cosmic Storehouse
- Perspective: Molecular-Action Pathways for Autism Drug Discovery: Organoids, Circadian Dynamics, and Genetic Engineering
- After the Higgs: Missed Opportunities in Gauge Vacuum Diagnostics and the Photonic Sector
- Photon Soul Continuity: An Unobserved Extension of Maxwell's Equations

Full Publication List

- *Designed fintech platforms for streamlined business and investment operations.*
- *Integrated secure online market data retrieval systems.*
- *Designed Automation for Alona`s Leisure Group*



Business Ventures

Founder & CEO – Alona's Escape® – Integrated hospitality, wellness, and retail business (Website)

- Developed a multi-service tourist destination combining a restaurant, homestead, sari-sari store, scooter rentals, wellness spa, and tour packages.
- Designed and implemented a seamless brand experience across hospitality, dining, and retail.

Founder – Apayao Threads® – Cultural clothing and textile enterprise (Website)

- Sourced handwoven indigenous textiles for global markets.
- Created custom-size and standard-size collections with a premium handmade branding strategy.

Founder – Luminous Pages® – Publishing and book retail platform (Website)

- Published and authored original scientific, philosophical, fiction and educational works.
- Managed distribution channels for international readership.

Founder – Fintech Synergy – Financial technology solutions (Website)

- Designed fintech platforms for streamlined business and investment operations.
- Integrated secure online market data retrieval systems.

Founder of two charity NGO's based in the Philippines. (*Bukas Palad* and *Bayanihan Buoyancy*)

Books & Educational Works

- Drug Discovery
- Advanced mathematics and photonics theory
- Psychological exploration essays.
- Fiction works and variety of other works (solfege, fiction novel..)

Notable Achievements

- Completed published papers in physics, AI, and molecular science.
- Built four operational businesses across hospitality, fashion, publishing, and software.
- Created a multi-sector tropical destination business model integrating tourism, dining, wellness, and retail.
- Created an international organization to defend the rights of autistic children
- Familyman, ex-skydiver, runner
- Created two nonprofit NGO's across Asia

Languages

- English (Fluent)
- Dutch (fluent)
- French (intermediate)
- German (intermediate)
- Mandarin (beginner)
- Levantine Arabic (intermediate)
- Middle (old) Persian (beginner)
- Hindi (beginner)
- Tagalog

email and phone available upon request

Online Presence

■ peterdeceuster.uk | Zenodo | Apayao Threads | Fintech Synergy | Luminous pages

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