

PETER DE CEUSTER

Scientist | Entrepreneur | Author | Innovator | Coder

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PROFESSIONAL SUMMARY

Multidisciplinary Scientist & Entrepreneur with a distinctive portfolio spanning quantum photonics research, molecular biology, and artificial intelligence. Founder of multiple successful enterprises in technology, retail, and hospitality with a proven track record in concept-to-launch product development. Combines academic rigor with entrepreneurial execution to deliver groundbreaking research and sustainable business solutions. Expert in workflow automation and low-code development.

CORE COMPETENCIES

- **Scientific Research:** Quantum Photonics, Higher-Dimensional Physics, AGI Meta-Cognition, Molecular Biology
- **Business Strategy:** Concept Creation, Multi-Sector Integration, Investment Planning, Brand Building
- **Technology:** Python, C++, SQL, Workflow Automation (n8n), Fintech Solutions, AGI Frameworks
- **Creative:** Scientific Writing, Publishing, Fiction

ENTREPRENEURIAL & PROFESSIONAL EXPERIENCE

Founder & CEO | Alona's Leisure Group (Alona's Escape®)

- Developed a multi-service tourist destination integrating hospitality, dining, wellness, and retail. • Designed and executed a seamless brand experience across all touchpoints, including a homestead, restaurant, and spa. • Implemented automated business processes to streamline operations and enhance customer service.

Founder | Fintech Synergy

- Designed and deployed fintech platforms to streamline business investment operations. • Integrated secure online market data retrieval systems to improve data accuracy and decision-making.

Founder | Apayao Threads® & Luminous Pages®

- **Apayao Threads:** Established a cultural enterprise sourcing handwoven indigenous textiles for global markets. • **Luminous Pages:** Managed a publishing platform for original scientific, philosophical, and educational works, overseeing international distribution.

Founder | Non-Profit Initiatives (Bukas Palad & Bayanihan Buoyancy)

- Established two NGOs in the Philippines and Asia focused on social welfare and community support. • Created an international organization advocating for the rights of autistic children.

SELECTED SCIENTIFIC PUBLICATIONS

- **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 Unobserved Laws of Nature
- **Perspective:** Molecular-Action Pathways for Autism Drug Discovery
- **Photon Soul Continuity:** An Unobserved Extension of Maxwell's Equations

(Full publication list available upon request)

EDUCATION

Academic Background: Extensive studies in Biology and Mathematics (Belgian Curriculum).

Advanced Studies: Master's trajectory research in molecular science and higher mathematics.



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LANGUAGES

English (Fluent), Dutch (Fluent), French (Intermediate), German (Intermediate), Levantine Arabic (Intermediate), Mandarin (Notions), Hindi (Notions), Tagalog. Middle Persian.

