

Jan Van Rensbergen

INVENTOR · THEORETICAL PHYSICIST



Interests

- Kotlin software development
- Domain Driven Design
- Clean Code/Architecture

Contact

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📍 Bergstraat 39, 3200 Aarschot

Personal

Nationality: Belgian Date of birth: 30.07.1982



🌐 janvanrensbergen

Languages

English	Native
German	Intermediate
French	Basic

Physics & Engineering

Temporal Mechanics	██████████
Quantum Theory	██████████
Nuclear Physics	██████████
Mechanical Engineering	██████████
Electrical Engineering	██████████
Automotive Restoration	██████████

Technology

Flux Capacitor Design	██████████
Time Machine Construction	██████████
Robotics	██████████
Computer Programming	██████████

ABOUT

A motivated senior software engineer helping companies big and small deliver working software supporting real use cases.

While striving for technical excellence, I get fired up about CQRS, clean - solid - code, clouds, CI/CD, observability and Kotlin.

But, above all: picking the right tool for the job.

EDUCATION

1951 PhD in Physics

CALIFORNIA INSTITUTE OF TECHNOLOGY

📍 PASADENA, CA, USA

Dissertation: *"Theoretical Approaches to Temporal Displacement and Causality"*.

1943 BSc in Engineering

MIT

📍 CAMBRIDGE, MA, USA

Thesis: *"Practical Applications of High-Voltage Circuits in Experimental Physics"*.

PROFESSIONAL EXPERIENCE

1955 – now Independent Inventor & Research Scientist

HILL VALLEY LABORATORY

📍 HILL VALLEY, CA, USA

- Invented the Flux Capacitor, enabling practical time travel.
- Designed and constructed the DeLorean Time Machine and related temporal devices.
- Conducted groundbreaking experiments in temporal mechanics and quantum theory.
- Provided scientific mentorship to aspiring inventors and students.
- Published theoretical work on paradoxes, causality, and energy transfer.

1960 – now Science Educator & Public Speaker

VARIOUS INSTITUTIONS

📍 USA & EUROPE

- Delivered lectures and demonstrations on physics, engineering, and the ethics of scientific discovery.
- Organized science fairs and educational outreach for young students.

ACADEMIC EXPERIENCE

1985 Visiting Professor: Temporal Physics

HILL VALLEY UNIVERSITY

📍 HILL VALLEY, CA, USA

- Developed and taught courses on time travel theory and paradox management.
- Supervised student projects on experimental physics and invention.

1978 – 1984 Adjunct Lecturer: Quantum Theory and Paradoxes

CALIFORNIA INSTITUTE OF TECHNOLOGY

📍 PASADENA, CA, USA

- Lectured on advanced quantum mechanics and paradoxes in theoretical physics.
- Organized interdisciplinary seminars on causality and time.

1952 – 1955 Research Fellow: High-Energy Particle Physics

MIT

📍 CAMBRIDGE, MA, USA

- Conducted research on high-voltage circuits and early particle acceleration experiments.

GRANTS AND AWARDS

1990 Lifetime Achievement in Innovation

INTERNATIONAL SOCIETY OF INVENTORS

📍 GENEVA, SWITZERLAND

Recognized for a lifetime of inventive contributions to science and engineering.

1986 Best Experimental Demonstration

WORLD SCIENCE CONGRESS

📍 LONDON, UK

Awarded for the live demonstration of the DeLorean Time Machine prototype.

1985 Hill Valley Science Achievement Award

Other Skills

Creative Problem Solving

Scientific Communication

Workshop Safety

Mentoring Young Scientists

Improvisation

Experimental Design

HILL VALLEY SCIENCE SOCIETY

📍 HILL VALLEY, CA, USA

Awarded for outstanding contributions to science and innovation in the community.

TALKS

- 1991

From DeLorean to Locomotive: Engineering Time Machines

SOCIETY OF INVENTORS ANNUAL MEETING

Panelist on the evolution of time travel technology.



SAN FRANCISCO, CA, USA
- 1986

Paradoxes and Causality: Lessons from Time Travel

WORLD SCIENCE CONGRESS

Invited talk on managing paradoxes and causality in theoretical physics.



LONDON, UK
- 1985

The Flux Capacitor: A New Era in Temporal Mechanics

INTERNATIONAL PHYSICS SYMPOSIUM

Keynote on the invention and implications of the flux capacitor.




GENEVA, SWITZERLAND

REFERENCES

- Marty McFly**

MUSICIAN & TIME TRAVELER


Long-term collaborator and field assistant in temporal experiments.
Contact: marty.mcfly@hillvalley.com



HILL VALLEY, CA, USA
- Clara Clayton**

SCIENCE EDUCATOR

Advisor on science communication and educational outreach.
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