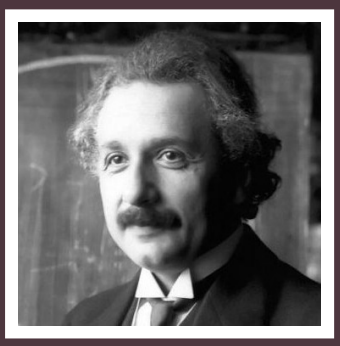


Albert Einstein

Research Physicist · Professor · Patent Clerk

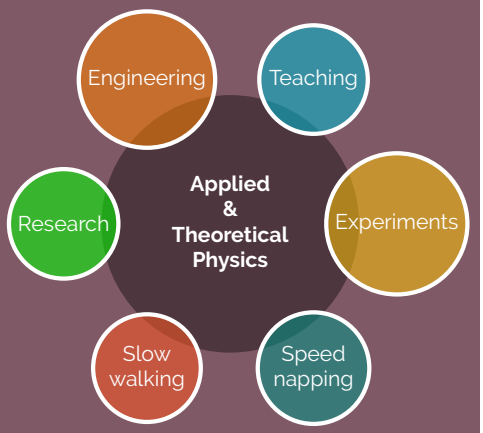
When I am not reviewing patents, I carry out thought experiments.
My interests span from pollen grains to synchronizing clocks on moving trains.
I wrote a small number of articles that attracted a decent amount of attention.
I also designed large unifying theories and models that turned out to be surprisingly powerful and robust.

aeinstein@ethz.ch | +41.23.456.78.90 | Bern | /albert_einstein | /albert_einstein

GOALS

- I am looking for opportunities to experiment, in labs or in thoughts, to deeply understand the laws of physics and how clocks work.
- I am subject-agnostic. I often think at very large scales, like the whole universe, and equally often wonder about atomic particles and their sub-elements.
- I enjoy connecting seemingly unrelated ideas, e.g. temperature and pollen grains, elevators and space curvature.
- I like having time to think my ideas through carefully, challenging common sense as well as my own assumptions.

SKILLS



TECH

Brain	●●●●●
Blackboard	●●●●●
Pen & Paper	●●●●●
Typewriter	●●●●●
Linux	●●●●●
Matlab	●●●●●
MS Word	●●●●●

WORK EXPERIENCE

Apr 1955 – Oct 1933

Research Fellow
Institute for Advanced Study · Princeton, NJ, USA
Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing **semper elit**. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo.

Oct 1933 – Jul 1913

Multiple teaching positions
Multiple institutions · Here and There
Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo.

Jul 1913 – Jul 1912

Professor, Chair in theoretical physics
ETH · Zürich, Switzerland
Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo.

Apr 1911 – Feb 1909

Associate Professor
University of Zürich · Zürich, Switzerland
Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo.

Feb 1909 – Apr 1908

Junior Professor
University of Bern · Bern, Switzerland
Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo.

Apr 1908 – Jan 1902

Technical Assistant
Federal Patent Office · Bern, Switzerland
Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo.

Work experience prior to 1902 is visible on **LinkedIn**.

INTERESTS & EXPERTISE

Special Relativity | General Relativity | Nuclear physics | Quantum physics | Brownian motion | Pinball | Laws of Optics | Laser Tag | Crosswords | Coffee

LANGUAGES

English	Working knowledge
German	Mother tongue
French	Notions

PHILOSOPHY

Here are some thoughts that guide my actions as a professor and as a scientist.

> *Success is a few simple disciplines, practiced every day; while failure is simply a few errors in judgment, repeated every day.*
>
> – Jim Rohn

> *With most subjects, it is more important to really understand the basic material than have exposure to more advanced concepts.*
>
> – S. S. Skiena

> *Besides the noble art of getting things done, there is the noble art of leaving things undone. The wisdom of life consists in the elimination of non-essentials.*
>
> – Lin Yutang

> *The people that really create the things that change this industry are both the thinker and doer in one person. [...] It's very easy to say "I thought of this three years ago". But usually when you dig a little deeper, you find that the people that really did it were also the people that really worked through the hard intellectual problems as well.*
>
> – Steve Jobs

> *It is not that I'm so smart. But I stay with the questions much longer.*
>
> – Me (ha ha)

FORMAL EDUCATION

1905

PhD

University of Zürich · Zürich, Switzerland

University of Zürich is one of the world's best universities, ranked N^{th} globally **by the NY Times**. Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam.

1900
1896

Master of Science

ETH · Zürich, Switzerland

ETHZ is malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo.

SELF-EDUCATION

Oct 1945

Growing Mushrooms in the Sky

Princeton via Coursera

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam.

Results: **Statement of Accomplishment**.

Oct 2013

CS191x: Quantum Mechanics and Quantum Computation

Berkeley via edX

This online class was taught by Pr. Umesh Vazirani. It covered theoretical concepts of quantum physics (e.g. superposition of states, entanglement of particles) as well as practical implementations of quantum algorithms such as Shor's algorithm to factor large numbers.

Results: **Statement of Accomplishment**.

PUBLICATIONS

Nov 1905

Does the Inertia of a Body Depend Upon Its Energy Content?

Annalen der Physik

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam.

Sep 1905

On the Electrodynamics of Moving Bodies

Annalen der Physik

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam.

Jul 1905

On the Motion of Small Particles Suspended in a Stationary Liquid

Annalen der Physik

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam.

Jun 1905

On a Heuristic Viewpoint Concerning the Production and Transformation of Light

Annalen der Physik

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam.

REFERENCES

My references are available upon request. Among others, they include:

Managers	Some Nobel Prize laureates
Reports	More Nobel Prize laureates