

# 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.

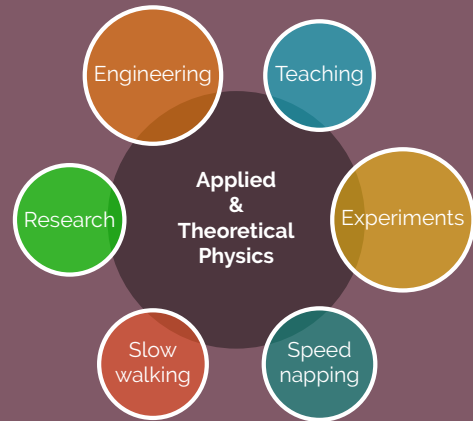


I enjoy connecting seemingly unrelated ideas, e.g. temperature and pollen grains, elevators and space curvature.



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



## 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

ETH zürich

### Master of Science

ETH · Zürich, Switzerland 📍

ETH 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

## 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)