

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

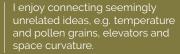
in/albert_einstein

#/albert_einstein

Ø 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 like having time to think my ideas through carefully, challenging common sense as well as my own assumptions.

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 ♥

ETH zürich

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 portitior 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 9

 $u^{\scriptscriptstyle b}$

Nulla malesuada portitor diam. Donec felis erat, congue non, volutpat at, tincidunt

Nulla malesuada portitior 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.

Applied & Theoretical Physics

Speed

Experiments

D UNIVERSITÄT BERN

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**.

SKILLS

Research

Brain Blackboard Pen & Paper Typewriter Linux Matlab MS Word

TECH

TINTERESTS & EXPERTISE

Special RelativityGeneral RelativityNuclear physicsQuantum physicsBrownian motionPinballLaws of OpticsLaser TagCrosswordsCoffee



English German French Working knowledge Mother tongue Notions

FORMAL EDUCATION

PhD

1905

UNIVERSITY OF ZÜRICH · Zürich, Switzerland **9**



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.

66 PHILOSOPHY

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

66 Success is a few simple disciplines, practiced every day; while failure is simply a few errors in judgment, repeated every day.

– Jim Rohn

66 With most subjects, it is more important to really understand the basic material than have exposure to more advanced concepts.

- S. S. Skiena

SE 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

SS The people that really create the things that change this industry are both the thinker and doer in one person. I...! 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

66 It is not that I'm so smart. But I stay with the questions much longer.

- Me (ha ha)

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 ComputationBERKELEY 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 🖹

ANNALEN
PHYSIK UND CHEMIE

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 🖹

PHYSIK UXD CHEMIE.

Nulla malesuada portitior 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 🖹

PHYSIK UND CHEMIE

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

ANNALEN
ANNALEN

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