

EXPERIENCE

Engineering

- 2023 ~ Software engineer & instructor at **Code Chrysalis**, Tokyo (Japan).
- 2022 ~ Freelance software engineer (Automattic, Komodo, Roci, Telaeris, Acheul, etc.).
- 2021 ~ 22 Software engineer at **Twitter** (1.5y) (web application), San Francisco (USA).
- 2007 ~ 21 Software engineer at **Google** (14y), Zurich (Switzerland), Paris (France), Mountain View (USA).
- 2020 ~ 2021 Google Search (frontend performance).
- 2020 Google.org, working with health NGOs (backend/data/web-app).
- 2018 ~ 2020 Chrome OS: system user interface (C++).
- 2015 ~ 2018 Android OS: system user interface & apps (Java).
- 2007 ~ 2015 Gmail & Inbox: backend/frontend/mobile/infrastructure, Java, web, mobile (Android, iOS).
- 2005 ~ 07 Open source developer. Former Ubuntu member. Wrote open source program for smart texture generation. Created Linux advocacy website, translated into ~40 languages.
- 2005 ~ 06 Twice student in Google's Summer of Code program (2005: Ubuntu, 2006: One Laptop Per Child / GTK).

Science

- 2001 ~ 22 Private tutor in computer science & programming (~350 hours), maths, physics & chemistry (~200 hours).
- 2006 ~ 07 Bioinformatics teacher at Paris 7 University.
- 2004 ~ 05 Internships: bioinformatics (supv. Eduardo Rocha, 3 mos), computer vision (supv. Renaud Keriven, 6 mos).
- 2003 ~ 06 Maths teacher at Lycée Saint-Louis, Paris (bachelor level, ~200 hours).














Graphics

- 2010 ~ Cartoonist. Comics published in the New York Times, Wall Street Journal, *Der Spiegel*, *Libération*, *Dagens Nyheter*, *El Mundo*, Mashable, Business Insider, Daring Fireball, ifanr, various books and exhibitions.
- 2008 Designed “Zoozimps” cartoon characters (for Gmail).
- 2004 ~ 06 Designed book covers for “H&K publishing” (~30 books).

Music

- 2004 Album “Distance & Temps” (Creative commons license).
- 1995 ~ 02 Bass player in several jazz bands (TETRAKARTET, Ligne 4, Triometrix, Solaris), concerts in Parisian jazz clubs (Petit Journal Montparnasse, La Balle au bond, Les Sept Lézards, Le Gibus), Chaillol Festival, French Ministry for Culture. Jazz section director for Lycée Claude Monet orchestra; concerts in Russia in 1997.

PUBLICATIONS

Author	2019 ~ 25	<i>Graphic Nobel: Nobel prizes in physics explained with cartoons</i> (2 vols)	book	   
	2023	<i>Twittoons: One employee's cartoon chronicle of Twitter's accelerated descent</i>	book	
	2018 ~ 21	<i>Goomics: Google's corporate culture revealed through internal comics</i> (2 vols)	book	
	2012	<i>The Crab and the Lamb</i> (literature)	book	 
	2006	<i>Discovering the Chinese language, 99 tips to succeed in prépa</i>	book	
	2006	<i>Texture synthesis</i> (in France's <i>Linux Magazine</i>)	article	
	2005	<i>Switch to Firefox</i>	book	
Coauthor	2005	<i>Comparative and Evolutionary Analysis of the Bacterial Homologous Recombination Systems</i> (<i>PLoS Genetics</i>)	article	
	2005	<i>5 Steps to Secure Windows, Installing Linux, L^AT_EX for the impatient</i>	books	

EDUCATION

- 2003 ~ 06 École normale supérieure, B. Sc. and M. Sc. in computer science (*magna cum laude*).
- 2002 ~ 03 École normale supérieure, M. Sc. in physics.
- 1999 ~ 01 Engineering school competitive exam preparation (1st year: Lycée Saint-Louis, 2nd year: self-taught), Paris.
- 1985 ~ 99 École alsacienne, Paris.

COMPUTERS & PROGRAMMING

- Technologies: React, Vue, Express, Node, GraphQL, mobile OSes and apps (Android OS, Google iOS apps).
- Languages: JS (Gmail, Twitter), C++ (Chrome), Java (Android OS, Gmail), Python, Typescript, Rust, HTML/CSS.
- Misc: L^AT_EX, extensive practice of GIMP / Scribus / Inkscape (publishing experience).

SPOKEN LANGUAGES

 Native  Fluent (TOEFL 116/120)  (Mandarin) Intermediate  Beginner  Beginner