

## EXPERIENCE

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### Science & Computers

- 2023–Now Software engineer & instructor at **Code Chrysalis**, Tokyo (Japan).
- 2022–Now Freelance software engineer (Automattic, Roci, Acheul, etc.).
- 2021–2022 Software engineer at **Twitter** (1.5y) (web application), San Francisco (USA).
- 2007–2021 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).
- 2001–2022 Private tutor in computer science & programming (~300 hours), maths, physics & chemistry (~200 hours).
- 2006–2007 Bioinformatics teacher at Paris 7 University.
- 2005–2006 Twice student in Google’s Summer of Code program (2005: Ubuntu, 2006: One Laptop Per Child / GTK).
- 2005–2007 Open source developer. Former Ubuntu member. Wrote open source program for smart texture generation. Created Linux advocacy website, translated into ~40 languages.
- 2004–2005 Internships: bioinformatics (supv. Eduardo Rocha, 3 mos), computer vision (supv. Renaud Keriven, 6 mos).
- 2003–2006 Maths teacher at Lycée Saint-Louis, Paris (bachelor level, ~200 hours).

### Graphics

- Since 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).
- 2004–2006 Designed book covers for “H&K publishing” (~30 books).

### Publications

- 2019–2023 *Graphic Nobel: Nobel prizes in physics explained with cartoons, Vol 1 & 2* (    books).
- 2023 *Twittoons: One employee’s cartoon chronicle of Twitter’s accelerated descent* ( book).
- 2018–2021 *Goomics: Google’s corporate culture revealed through internal comics, Vol I & II* ( books).
- 2012 *The Crab and the Lamb* (  book, literature).
- 2006 *Discovering the Chinese language, 99 tips to succeed in prépa* ( books).
- 2005–2006 Director of a collection of French books about software, *Technique & Pratique* (10  books). Author of “Switch to Firefox”. Coauthor of “5 Steps to Secure Windows”, “Install Linux”, “ $\LaTeX$  for the impatient”.
- 2006 Article in France’s Linux Magazine (texture synthesis).
- 2005 "Comparative and Evolutionary Analysis of the Bacterial Homologous Recombination Systems", *PLoS Genetics* ( article, 2<sup>nd</sup> author).
- 2001–2009 Editor for ~50  books for science students (bachelor level, maths, physics, chemistry, computer science).

### Music

- 2004 Album “Distance & Temps” (Creative commons license).
- 1995–2002 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. Director of the jazz section in the Lycée Claude Monet orchestra; concerts in Russia in 1997.

## EDUCATION

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- 2003–2006 École normale supérieure, B. Sc. and M. Sc. in Computer science (*magna cum laude*).
- 2002–2003 École normale supérieure, M. Sc. in physics.
- 1999–2001 Engineering school competitive exam preparation (1<sup>st</sup> year: Lycée Saint-Louis, 2<sup>nd</sup> year: self-taught), Paris.
- 1985–1999 École alsacienne, Paris.


## COMPUTER SKILLS & PROGRAMMING

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- Web applications, Javascript, React, GraphQL, HTML/CSS (Gmail, Google Search, Twitter web app).
- Mobile operating systems and applications (Android OS, Google iOS apps).
- C++(Chrome), Java (Android OS, Gmail), Python.
- $\LaTeX$ , extensive practice of GIMP / Scribus / Inkscape (publishing experience).

## SPOKEN LANGUAGES

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