```
|=--------------------------------------------------------------------=|
|=------------------------=[        CV        ]------------------------=|
|=--------------------------------------------------------------------=|
|=-----------------------=[  Filippo Valsorda  ]----------------------=|
|=--------------------------------------------------------------------=|
```

|=---=[**Data**

```
             Name: Filippo Valsorda
            Email: hi@filippo.io
   Twitter/GitHub: @FiloSottile
             Blog: https://filippo.io/
         Location: Milan, Italy
            Phone: +39 393 9294797 / +1 (917) 362-6067
              PGP: 428D F5D6 3EF0 7494 BB45  5AC0 EBF0 1804 BCF0 5F6B
```

|=---=[**Skills**

 * **Cryptography**
   Strong background in applied and theoretical cryptography, including
   attack techniques and implementation.

 * **Systems and protocol design and review**
   Ability to build and analyze complex systems and threat models,
   providing advice over specification, implementation and risk.

 * **Passionate generalist programmer**

|=---=[**Experience**

 - [2014] The Heartbleed test
   I'm the author of filippo.io/Heartbleed, the first and most used
   Heartbleed test. It was built in Go in a few hours, it scaled quickly to
   25.000 checks/min and it was reported widely in the media.

 - [Upcoming] Phrack Linenoise paper
   I'm the author of a paper soon to be published on Phrack, covering PGP key
   IDs spoofing and bruteforcing.

 - [2014] edX
   I contribute to the edX project, as a consultant for major universities.

 - [2012 - now] youtube-dl core developer
   I'm currently one of the core developer of youtube-dl, a popular
   Open Source command-line tool used to download videos from >130 websites.
   https://github.com/rg3/youtube-dl/

 - [2014] Keybase
   I developed Python libraries for the Keybase.io client.

 - [2013] Hacker School
   The youngest student admitted to the Fall 2013 batch of Hacker School in
   NYC, a three-month, immersive school for self-directed programmers.
   https://www.hackerschool.com/

 - [2013] Matasano Crypto Challenges
   I've been one of the first ten finisher of the original challenges, that
   cover a wide range of cryptographic attacks and implementation
   vulnerabilities. Then, I was the first to complete the 7th set, that
   required reproducing recent research, like the RC4 biases attack.
   http://www.matasano.com/articles/crypto-challenges/

- [2013] Secure Network s.r.l.
  Worked with Secure Network, a leading Italian security company, with
  engagements as ObjC code reviewer for a primary bank in the UK.

- [2013] Facebook Bug Bounty Program
  I've been the recipient of a bug bounty for the discovery of a
  mis-authorization issue in Facebook private mobile API.
  http://filippo.io/a-bug-worth-4200%24/

- [2013] OnCam
  I've developed server-side infrastructure and software based on Libav
  for the launching video-conferencing app OnCam.

- [2013] RECAP - Aaron Swartz grants
  I've been awarded a grant for extending the client and server side code
  of the RECAP browser extension to support U.S. Courts of Appeals.
  https://www.recapthelaw.org/2013/04/02/two-recap-grants-awarded-in-
  memory-of-aaron-swartz/

- [2007 - 2012] Wikipedia
  Contributed as both tools and bot (automated editing programs)
  programmer. In 2012 managed the technical aspects of the Italian
  Wikipedia protest against the SOPA and PIPA Acts.

- [2010] Technoplaza
  I've been one of the core developers of the Technoplaza website,
  a platform to distribute news authoring and translation among staff
  via multiple chat systems.

- Other Open Source contributions include: the ArchiveTeam, axel,
  bitaddress.org, vanitygen, homebrew and DuckDuckGo Zero-Click plugins.

|=---=[**Ongoing projects**

 - Book: "Cryptography Attacks for Programmers"
 - Research: ECDSA implementation flaws in Bitcoin transactions
 - Project: forever archive a full copy of all the pages I visit
 - Project: Coinfix – Bitcoin address misspellings bruteforce (in Go)

|=---=[**Programming languages**

I have more than eight years of in-depth experience in most of them.

 * ##### Python   * #### Go   * #### C/C++
 * ###   Bash   * ###   Javascript   * #### PHP
 * ##   Assembly   * ##   Java   * ###   Objective-C

|=---=[**Education**

 * Scientific High School degree in 2013 - 100/100;
 * full 100% (with distinction) on Dan Boneh's course
   "Cryptography I" on Coursera;
 * CAE certification - B level - 79/100.

|=---=[**Other**

I participated to the World Math Games Championship in 2009 as part of the
Italian team; won a Bronze medal at the Italian Mathematical Olympiad in
2013. Scuba diver and motorbiker.

[**EOF**]