

Education

- 2012 - 2016 **B.S. Computer Engineering**, [UPC BarcelonaTech](#), Barcelona.
(expected) Specializing in Computing (Theory of Computation, Algorithms, Artificial Intelligence, Compilers)
- Feb 2016 - **B.S. Final Year Project**, [Newcastle University](#), Newcastle.
Jul 2016 Joining a prominent research group dedicated to concurrent computing and graph theory in Haskell

Experience

- Jun 2015 **Software Engineering Intern**, [Google](#), Mountain View, California.
- Sep 2015
 - Working on Kubernetes, the open source container cluster manager written in Go
 - Introduced cluster usage metrics having scalability and the scheduler in mind
 - Helped port the project to Go 1.5 fixing a number of data races
- May 2014 **Developer**, [Tor Project](#).
- May 2015
 - Started contributing as part of [Google Summer of Code 2014](#)
 - Reduced 100x its network maintenance load by coding a near-linear time diff algorithm for consensus
 - Wrote C code with an emphasis on security and simplicity including unit tests and benchmarks
- Feb 2013 **Main Developer**, [F-Droid Project](#).
present
 - Widely known open source app distribution system with over 80k regular users
 - Over 5k code commits - working on the client (Android) and the server (Python)
 - Did a FOSDEM'14 main track talk on the challenges and future of the project
- Feb 2013 **Research Associate**, [UPC BarcelonaTech](#), Barcelona.
- Feb 2015
 - Reduced 10x the upgrade time of their OpenWRT nodes and automated the whole process
 - Integrated Syncthing and Pastecat into the Debian-based Cloudy distribution
- Jul 2013 **Technical intern**, [Free Software Foundation Europe](#), Berlin.
- Aug 2013
 - Wrote python scripts to automate newsletters and press releases
 - Organized the first ever F-Droid workshops

Side projects

- 2015 [xurls](#) - Go - Extract urls from text using regex expressions
- 2015 [accesspoint](#) - Java - Manage wireless access points in Android
- 2014 [pastecat](#) - Go - A minimalist pastebin server

Awards

- PennApps First place at the winter edition of PennApps with an Android app that makes anyone a cardiac
Jan 2015 arrest first responder and life saver
- WIPJam First place at the Intel CCF Hackathon at MWC 2014 by writing a peer-to-peer poker app for
Feb 2014 Android using their wireless framework

Programming languages

- Comfortable Go, C, Python, Shell
- Familiar Haskell, Java, C++, Lua

Skills

- VCS Experienced with Git - branches, release workflow, rebasing, conflicts, etc
- Systems My server has been hosting my own e-mail, web and messaging services since 2012
- Teamwork Written production software as part of large globally distributed teams (F-Droid, Tor, Kubernetes)
- Languages Native in Catalan and Spanish, proficient in English, limited in French