

Experience

- Jan 2017 **Go Engineer**, [Tyk](#), London, UK.
present
 - Working on the leading open source API Gateway written in Go
- Sep 2016 **EF7 cohort member**, [Entrepreneur First](#), London, UK.
- Dec 2016
 - Europe's top accelerator selecting 100 engineers among over 3000 candidates
 - Learned valuable skills in customer development and rapid iteration
- Feb 2016 **Research Associate**, [Newcastle University](#), Newcastle, UK.
- Jul 2016
 - Worked on concurrent circuits and graph theory research under prof Andrey Mokhov
 - Developed my bachelor thesis - *Concurrency primitives in Haskell*
- Jun 2015 **Software Engineering Intern**, [Google](#), Mountain View, CA.
- Sep 2015
 - Worked on Kubernetes, the open source container cluster manager written in Go
 - Introduced cluster usage metrics having scalability and the scheduler in mind
- May 2014 **GSoC Developer**, [Tor Project](#).
- Oct 2014
 - Reduced Tor's network load by coding a near-linear time diff algorithm for consensus
 - Wrote C code with an emphasis on security and simplicity with unit tests and benchmarks
- Feb 2013 **Core Developer**, [F-Droid Project](#).
- Sep 2016
 - Widely known open source app distribution system with over 80k regular users
 - Did a FOSDEM'14 main track talk on the challenges and future of the project
- Feb 2013 **Research Associate**, [UPC BarcelonaTech](#), Barcelona.
- Nov 2014
 - Modified OpenWRT for a research mesh network and developed web applications
- mid 2013 **Technical Intern**, [Free Software Foundation Europe](#), Berlin.

Education

- 2012 - 2016 **B.S. Computer Engineering**, [UPC BarcelonaTech](#), Barcelona.
Specializing in Computing (Theory of Computation, Algorithms, Compilers, Artificial Intelligence)

Side projects

- 2016 [Golang](#) - Contributing a number of [patches](#) and [issues](#)
- 2016 [sh](#) - Go - A shell parser and formatter
- 2015 [interfacer](#) - Go - A linter that suggests interface types
- 2015 [xurls](#) - Go - Extract urls from text using regex expressions

Programming languages

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

Tools

- Git Experienced with branches, rebasing, conflicts, release workflow, etc
- Linux Used Linux since 2010, going from Ubuntu to Debian and Arch
- Go tooling Familiar with pprof, the race detector, fuzzing, tests and benchmarks
- Docker Familiar with basic usage and published images in the past

Skills

- Systems Been hosting my own e-mail, web and messaging services since 2012
- Teamwork Written software as part of distributed teams (Tyk, Kubernetes, Tor, F-Droid)
- Languages Native in Catalan and Spanish, proficient in English, limited in French