

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
- 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

- Golang** Contributing a number of [patches](#) and [issues](#)
- gogrep** Search for Go code using syntax trees
- sh** A shell parser, formatter and interpreter in Go
- goreduce** Reduce Go programs
- unparam** A Go linter that reports unused function parameters

Programming languages

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

Tools

- Go tooling Familiar with tests, benchmarks, pprof, the race detector, and fuzzing
- Git Experienced with branches, rebasing, conflicts, release workflow, etc
- Linux Using Linux since 2010, also hosting my own e-mail since 2012
- Docker Familiar with basic usage and Dockerfiles

Skills

- 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