Daniel Martí

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github.com/mvdan

Education

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

Experience

Sep 2016
Dec 2016 **EF7 cohort member**, *Entrepreneur First*, London, UK.
- Europe's top accelerator selecting 100 engineers among over 3000 candidates
- Learned valuable skills in customer development and rapid iteration

Feb 2016
Jul 2016 **Research Associate**, *Newcastle University*, Newcastle, UK.
- Worked on concurrent circuits and graph theory research under prof Andrey Mokhov
- Developed my bachelor thesis - *Concurrency primitives in Haskell*

Jun 2015
Sep 2015 **Software Engineering Intern**, *Google*, Mountain View, CA.
- Worked 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
Oct 2014 **GSoC Developer**, *Tor Project*.
- Reduced Tor's network load by coding a near-linear time diff algorithm for consensuses
- Wrote C code with an emphasis on security and simplicity with unit tests and benchmarks

Feb 2013
present **Core Developer**, *F-Droid Project*.
- 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
Nov 2014 **Research Associate**, *UPC BarcelonaTech*, Barcelona.
- Modified OpenWRT for a research mesh network and developed web applications

mid 2013 **Technical Intern**, *Free Software Foundation Europe*, Berlin.

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
2015 accesspoint - Java - Manage wireless access points in Android

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