

Alvaro Prieto

CONTACT	e-mail: alvaro@alvarop.com	mobile: +1 305-903-0076
SKILLS	Can program in C, C++, Python, Objective-C, and Assembly. Proficient working with OSX, Windows, and Linux. Experience with various ARM Cortex-M microcontrollers (STM32, LPC17xx, NRF5x, etc.) Circuit and PCB design (KiCad, Altium, EagleCAD) Familiar with git, gcc, clang, gdb, mynewt OS, Vagrant, Ansible, Flask Fluent in English and Spanish.	
WORK EXPERIENCE	Loon LLC , Mountain View, CA <i>Hardware Engineer</i>	August 2018 – present Working in Loon’s communications hardware team. Mainly working on our ground station equipment.
	Verily Life Sciences , South San Francisco, CA <i>Hardware/Firmware Engineer</i>	October 2016 – July 2018 Developed various hardware prototypes. Owned everything from schematic/PCB design, board assembly, bringup, firmware, and software tools to support them.
	Planet Labs , San Francisco, CA <i>Test Development Engineer</i>	October 2015 – May 2016 Developed test fixtures and automated test software for the Dove satellite manufacturing line. Test software written in Python and C.
	Apple Inc. , Cupertino, CA <i>Embedded Software Engineer</i>	August 2012 – October 2015 Worked with Cortex-M microcontrollers for various prototyping platforms and internal tools. Worked on iOS/OSX applications. Developed firmware interfaces to various devices using I2C, SPI, UART, USB, etc...
	Texas Instruments , Stafford, TX <i>Embedded Software Applications Engineer</i>	September 2011 – July 2012 Worked with the C2000 family of devices. Develop automated tools to find software bugs before releases. Worked on C device drivers for various microcontrollers.
	Rochester Institute of Technology , Rochester, NY <i>Graduate Researcher</i>	September 2010 – September 2011 Research in Body Sensor Networks. Develop novel synchronization, scheduling, and power management algorithms for BSNs. Programs written in C for TI MSP430/CC430 devices.
	Tampere University of Technology , Tampere, Finland <i>Trainee/Researcher</i>	June – August 2010
	Paul Scherrer Institute , Villigen, Switzerland <i>Trainee/Software Engineer</i>	June – August 2009
	RailComm , Fairport, NY <i>Firmware Engineer</i>	June – November 2008
EDUCATION	Rochester Institute of Technology , BS/MS Electrical Engineering 2006-2011	
OTHER ACTIVITIES	Hobby projects documented on alvarop.com , and software libraries available on github . DEFCONBOTS Competition , 2006, 2014, 2015	