

# Alvaro Prieto

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CONTACT	e-mail: <a href="mailto:alvaro@alvarop.com">alvaro@alvarop.com</a>	mobile: +1 305-903-0076
SKILLS	Can program in C, Python, C++, Matlab, Objective-C, and Assembly. Proficient working with Linux, MacOS, and Windows. Experience with various ARM Cortex-M microcontrollers (STM32, LPC17xx, NRF5x, etc.) Circuit and PCB design (KiCad, Altium, EagleCAD) Familiar with git, gcc, clang, gdb, FreeRTOS, wireguard, cmake, Github Actions, wireshark, Flask Fluent in English and Spanish.	
WORK EXPERIENCE	<b>Netflix</b> , Los Gatos, CA <i>Hardware/Software Engineer</i>	<b>June 2023 –</b>
	<b>Sofar Ocean Technologies</b> , San Francisco, CA <i>Principal Embedded Software Engineer</i>	<b>August 2020 – June 2023</b>
	Lead firmware team and develop firmware for Spotter buoy and related products. Using STM32L4xx and STM32U5xx devices in C/C++ and using FreeRTOS, lwip, and memfault.	
	<b>Loon LLC</b> , Mountain View, CA <i>Hardware Engineer</i>	<b>August 2018 – March 2020</b>
	Worked in Loon's communications hardware team, mostly on ground station equipment.	
	<b>Verily Life Sciences</b> , South San Francisco, CA <i>Hardware/Firmware Engineer</i>	<b>October 2016 – July 2018</b>
	Developed various hardware prototypes. Owned everything from schematic/PCB design, board assembly, bringup, firmware, and software tools to support them.	
	<b>Planet Labs</b> , San Francisco, CA <i>Test Development Engineer</i>	<b>October 2015 – May 2016</b>
	Developed test fixtures and automated test software for the Dove satellite manufacturing line. Test software written in Python and C.	
	<b>Apple Inc.</b> , Cupertino, CA <i>Embedded Software Engineer</i>	<b>August 2012 – October 2015</b>
	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...	
	<b>Texas Instruments</b> , Stafford, TX <i>Embedded Software Applications Engineer</i>	<b>September 2011 – July 2012</b>
	<b>Rochester Institute of Technology</b> , Rochester, NY <i>Graduate Researcher</i>	<b>September 2010 – September 2011</b>
	<b>Tampere University of Technology</b> , Tampere, Finland <i>Trainee/Researcher</i>	<b>June – August 2010</b>
	<b>Paul Scherrer Institute</b> , Villigen, Switzerland <i>Trainee/Software Engineer</i>	<b>June – August 2009</b>
	<b>RailComm</b> , Fairport, NY <i>Firmware Engineer</i>	<b>June – November 2008</b>
EDUCATION	<b>Rochester Institute of Technology</b> , BS/MS Electrical Engineering 2006-2011	
OTHER ACTIVITIES	Hobby projects documented on <a href="http://alvarop.com">alvarop.com</a> , and software libraries available on <a href="https://github.com">github</a> .	