

Daniel Fernández

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Strengths

Automotive	Autonomous Operation, By-Wire Control, CAN Communication Protocol, OBD-II, Electrical System Design, Wiring Assembly and Routing, Functional Safety (ISO 26262)
Software	PolySync Core, C, C++, Rust, Python, MATLAB, Qt, Bash, Agile/Scrum, Git, Solidworks, Pro/E, ANSYS AQWA, WAMIT, MS Visual Studio, Office Suite, Atlassian Suite, Linux, OS X
Industrial	Lean/6-Sigma Production and Operations, Defect Control, Process Planning, Tool Design, Technical Writing, Ordnance Handling, Employee Training, Silver Solder, Oxy Braze, TIG Welding, CNC Machining, Molybdenum Laser Welding
Academic	Marine Field Robotics, Path Planning under Uncertainty, Water Wave Energy Conversion, Robotic Search, Model Predictive Control, Neural Networks, Genetic Algorithms
Field Work	R/V Elakha (11 Cruises), R/V Coral Sea (1), R/V Oceanus (2), R/V Atlantic Explorer (1)

Professional Experience

PolySync	Portland, OR
Robotics Application Engineer , Open-Source Car Control Team	July 2016 - Present
Oregon State University	Corvallis, OR
Graduate Research Assistant , Robotic Decision Making Laboratory	Sep 2014 – Sep 2015
Assistant Glider Tech , CEOAS Glider Research Group, R/V Elakha	July 2014 – June 2015
Engineering Technician , O.H. Hinsdale Wave Research Laboratory	Summer 2014
Lockheed Martin Missiles and Fire Control	CA/AL/FL
Systems Engineer (Contract), SB Focalplane, Santa Barbara, CA	Dec 2015 – July 2016
Mechanical Engineer (Contract), SB Focalplane, Santa Barbara, CA	Feb 2013 – Mar 2014
Production Support Engineer , Pike County Operations, Troy, AL	June 2010 – May 2012
Student Technical Specialist , Ocala Operations, Ocala, FL	Summers 2007, 2009
Doma Ventures	Miami, FL
Development Engineer , South Miami Office	June 2012 – Sep 2013

Education

Oregon State University — Corvallis, OR	University of Florida — Gainesville, FL
M.S. Robotics (Minor: Coastal Engineering) Received: September 2015 Cumulative GPA: 3.7/4.0	B.S. Mechanical Engineering Received: May 2010 Cumulative GPA: 3.2/4.0

References, Transcripts, full CV available; please see <http://dferna.ndez.me>