

Daniel Fernández

111 SW Harrison St 19B
Portland, OR 97201

dfern@ndez.me

Cell: 305.951.6920
github.com/dan-fern

Strengths

Automotive	By-Wire Control, CAN Communications, OBD-II, Electrical System Design, Routing, Functional Safety, ISO 26262, Udacity Self-Driving Cars Nanodegree
Software	ROS, Apollo, PolySync Core, Python, C++, MATLAB, Qt, OpenCV, TensorFlow, Keras, Bash, Git, CARLA, Solidworks, ANSYS AQWA, WAMIT, Atlassian Suite
Academic	Model Predictive Control, Convolutional Neural Networks, LeNet Architecture, Kalman Filtering, Computer Vision, Lane Marker Detection, Sensor Fusion, Path Planning w/ Uncertainty, Marine Field Robotics, Wave Energy Conversion
Management	Sprint Planning, Ideation, Issue Tracking, Team Culture, Agile, Recruiting, Professional Development, Mentoring, Lean/6-Sigma Production Planning
Industrial	Silver Solder, CNC Machining, Molybdenum Laser Welding, Ordnance Handling

Professional Experience

Jaguar Land Rover	Portland, OR
Senior Software Engineer , Autonomous Vehicles (ADAS) Group	Jan 2018 – Present
Member , Oregon DOT Task Force on Autonomous Vehicles	April 2018 - Present

PolySync	Portland, OR
Robotics Application Engineer , DriveKit Team	Jun 2016 – Nov 2017

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 <i>Elakha</i>	Jun 2014 – Jun 2015

Lockheed Martin Missiles and Fire Control	CA, AL
Software Engineer (Contract), SB Focalplane, Santa Barbara, CA	Dec 2015 – Jul 2016
Mechanical Engineer (Contract), SB Focalplane, Santa Barbara, CA	Aug 2012 – Mar 2014
Production Support Engineer , Pike County Operations, Troy, AL	Jun 2010 – May 2012

Education

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

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