

# Daniel Fernández

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github.com/dan-fern

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## Strengths

<b>Automotive</b>	By-Wire Control, Systems Engineering & Architecture, CAN, OBD-II Communications, Electrical Design, Functional Safety, ISO 26262, Udacity Self-Driving Cars Nanodegree
<b>Software</b>	ROS, Apollo, Autoware, C++, Python, MATLAB, TCP, UDP, Qt, OpenCV, TensorFlow, Keras, Bash, Git, CI/CD, CARLA, Solidworks, ANSYS AQWA, WAMIT, Atlassian Suite
<b>Leadership</b>	Agile Product Strategy and Ownership, Team Culture, Sprint Planning, Ideation, Issue Tracking, Recruiting, Professional Development, Mentoring, Lean/6-Sigma Production
<b>Academic</b>	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
<b>Industrial</b>	Silver Solder, CNC Machining, Molybdenum Laser Welding, Ordnance Handling

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## Professional Experience

Jaguar Land Rover	Portland, OR
<b>Senior Software Engineer</b> , ADAS, Telematics, Mobile Applications	Jan 2018 – Present
<b>Member</b> , Oregon DOT Task Force on Autonomous Vehicles	April 2018 - Present
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PolySync	Portland, OR
<b>Product Manager</b> , DriveKit By-Wire Control Team	Mar 2017 – Nov 2017
<b>Robotics Application Engineer</b> , Core Software Team	Jun 2016 – Nov 2017
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Navi Robotics	Corvallis, OR
<b>Founder and Field Robotics Educator</b>	Sep 2015 – Present
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Oregon State University	Corvallis, OR
<b>Graduate Research Assistant</b> , Robotic Decision-Making Laboratory	Sep 2014 – Sep 2015
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Lockheed Martin Missiles and Fire Control	CA, AL
<b>Software Engineer</b> (Contract), SB Focalplane, Santa Barbara, CA	Dec 2015 – Jul 2016
<b>Production Support Engineer</b> , Pike County Operations, Troy, AL	Jun 2010 – Mar 2014

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## Education

Oregon State University — Corvallis, OR

### M.S. Robotics

Earned: September 2015

Cumulative GPA: 3.7/4.0

University of Florida — Gainesville, FL

### B.S. Mechanical Engineering

Earned: May 2010

Cumulative GPA: 3.2/4.0

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