

Daniel Fernández

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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, Autoware, C++, Python, 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
Leadership	Product Strategy, Storyboarding, Sprint Planning, Ideation, Issue Tracking, Team Culture, Agile, Recruiting, Professional Development, Mentoring, Lean/6-Sigma Production
Industrial	Silver Solder, CNC Machining, Molybdenum Laser Welding, Ordnance Handling

Professional Experience

Navi Robotics	Portland, OR
Founder and AV Consultant , ADAS // Autonomous Vehicles	Aug 2019 – Present
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Jaguar Land Rover	Portland, OR
Interim Engineering Manager , ADAS // Autonomous Vehicles	Apr 2019 – Present
Senior Software Engineer , ADAS // Autonomous Vehicles	Jan 2018 – Present
Member , Oregon DOT Task Force on Autonomous Vehicles	April 2018 - Present
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PolySync	Portland, OR
Robotics Application Engineer , DriveKit Team	Jun 2016 – Nov 2017
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Oregon State University	Corvallis, OR
Graduate Research Assistant , Robotic Decision-Making Laboratory	Sep 2014 – Sep 2015
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Lockheed Martin Missiles and Fire Control	CA, AL
Software Engineer (Contract), SB Focalplane, Santa Barbara, CA	Dec 2015 – Jul 2016
Production Support Engineer , Pike County Operations, Troy, AL	Jun 2010 – Mar 2014

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>