Daniel Foster

Los Angeles, USA

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Education

California Institute of Technology (Caltech)

Master of Science in Electrical Engineering

Sep 2019 – Jun 2021 | Pasadena, USA

GPA: 3.95/4.0

Activities: Robotics Club President, IEEE Member

Relevant Coursework: Embedded Systems, VLSI Design, Circuit Analysis, Robotics

Work Experience

Embedded Systems Engineer | Tesla | Jul 2021 - Present | Palo Alto, USA

- Designed embedded software for autonomous driving systems.

- Worked on real-time control algorithms for vehicle sensors.

- Optimized energy efficiency in hardware and software integration.

Skills

Embedded Systems: C, C++, RTOS, Embedded Linux

Hardware: FPGA, PCB Design, VHDL

Software: Python, MATLAB, Simulink

Certificates

Certified Embedded Systems Engineer – Embedded Systems Institute

Udemy: Mastering FPGA Design

Awards

Innovative Engineering Award – Tesla 2023

Best Paper – Caltech Robotics Symposium 2020