



## **ROBERT FERREIRA**

### **Specialized Professional Competence**

Data acquisition and analysis, Computer simulation and analysis of vehicle dynamics. Motor vehicle and industrial equipment accident reconstruction. Design, testing, and failure analysis of mechanical systems and components. Static and dynamic experimental test design and analysis. Automotive diagnosis and repair, as well as data imaging from passenger and heavy vehicle event data recorders.

### **Background and Professional Honors**

B.S. (Mechanical Engineering), San Francisco State University

Forensic Mechanical Engineer,  
Talas Engineering, Inc.

Facilities Specialist,  
Oracle, Inc.

Parts Specialist,  
O'Reilly Auto Parts

Automotive Mechanic,  
CJ's Garage

### **Memberships**

Member, American Society of Mechanical Engineers

Member, Society of Automotive Engineers

### **Awards**

COSE (College of Science and Engineering, San Francisco State University) Project Showcase contestant for design and manufacturing of a self-sustaining automated green house, 2018.

### **Training**

SAE International – Accessing and Interpreting Heavy Vehicle Event Data Recorders, 2019.

Collision Safety Institute – Crash Data Technician Course, 2019.

Collision Safety Institute – Crash Data Analyst Course, 2021.

FARO – Operating and processing 3D laser scans with FARO Scene, 2019.

Automotive Society of Engineering – Entry Level Technician Certification, 2015.