


Robson Adem

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Experience



Senior Robotics Applications Engineer

Boston Dynamics

Sep 2021 - Present (2 years)

- Develop useful applications for SPOT and deliver solutions to new markets/clients.
- Drive 20+ industry-leading companies in manufacturing, oil & gas, utilities, academia, and public safety to achieve operational robotic solutions targeted at industrial inspection and automation.



Research & Development Engineering Intern

Universal Creative

May 2021 - Aug 2021 (4 months)

- Designed and developed the most compelling entertainment experiences fusing art and cutting-edge technology at Universal Parks and Resorts



Research Engineer & Instructor

University of Central Florida

Sep 2019 - Jun 2021 (1 year 10 months)

- Successfully executed more than five research projects that aimed at building robust and intelligent systems by integrating AI, Robotics, Controls, Optimization, and Human-Robot-Interaction
- Taught 75+ undergraduate students Robotic Systems, Embedded Systems, and Modern & Robust Control



Electrical & Computer Engineer and Project Management

Formula Hybrid+Electric

Sep 2018 - May 2019 (9 months)

- Led a team of 15 Electrical and Computer Engineers and 7 Mechanical Engineers responsible for designing and developing a formula electric car.
- Monitored finances over \$30K & managed 100+ purchase requests from 30 engineers & 10 sub-systems



Research Engineer

UCSD Advanced Robotics and Controls Lab

Jun 2017 - Sep 2017 (4 months)

- Designed and developed a Compliant Assistive Soft Robotic Glove Powered by Super-Coiled Polymer Actuators and electrical circuits
- Developed an embedded system that reads surface EMG signals from sensors to effectively control the robotic actuation

Education



University of Central Florida

Master of Science - MS, Electrical Engineering

2019 - 2021

Specialized in the intersections of Artificial Intelligence, Robotics, Controls, and Optimization



Lafayette College

Bachelor of Science - BS, Electrical and Computer Engineering

2015 - 2019

Focus on software engineering, embedded systems, robotics & control systems, communications systems, biomedical engineering, and project management

Skills

Robotic System Deployment • Project Management • Product Management • Software Development
• Customer Relationship Management (CRM) • Data Integration • Team Leadership • Python
(Programming Language) • C++

Honors & Awards



Peer Kudos Award - Boston Dynamics

Jun 2023

Recognized among individuals who have received commendation and admiration from their colleagues, highlighting their outstanding contributions and positive influence within the team.



Annual Employee Excellence Award - Boston Dynamics

Mar 2023

Honored for surpassing expectations and showcasing exceptional innovation and achievement.



ACM Richard Tapia Conference Nike Scholar - Nike

Sep 2018

• Selected for Nike's scholarship for displaying a strong dedication to and promise for STEM education and innovation



ACM Richard Tapia Conference Facebook Scholar - Facebook

Sep 2017

• Honored as one of the bright and promising students engaged in relevant research in computer science & engineering.



Tau Beta Pi Engineering Honor Society - The Tau Beta Pi Association, Inc.

Sep 2020

Honored for demonstrating a history of academic achievement as well as a commitment to personal and professional integrity.