

Jared Warren

Mechanical Engineering Student

Dual US/UK Citizen - Eligible for UK Passport (Full Right to Work in the UK)

(310) 467-1547

Anaheim, CA

jaredjahmayne@gmail.com

<https://www.linkedin.com/in/jared-jwarren/>

I am a mechanical engineering student with proven problem-solving, system design, and leadership skills. Successfully applied engineering principles to optimize manufacturing processes at Fender and managed complex technical systems in professional live audio environments.

PROFESSIONAL EXPERIENCE

Chief Technical Officer - Titan Racing Formula SAE | (June 2025 – Present)

- Directed engineering design and manufacturing strategy for 2026 competition vehicle, leading 20+ engineers
- Developed 8-DOF Simulink vehicle model to validate dynamics targets against real-world track data
- Managed systems integration of powertrain, chassis, and suspension to ensure zero packaging interference.
- Designed custom suspension geometry in SolidWorks to optimize roll center migration and camber gain.
- Enforced DFM standards to enable 95% in-house manufacturing of chassis and suspension components.

Engineering Intern | Fender Musical Instrument Company (August 2024 - July 2025)

- Lead engineering efforts for the amplifier department, collaborating with manufacturing, product development, and other teams to improve quality, safety, and efficiency.
- Conducted time and efficiency studies to optimize manufacturing processes, increasing several production processes by up to 30%.
- Designed and implemented test fixtures for quality control, reducing testing time by 25%.
- Created standardized work instructions for production & testing for domestic and international products.

Audio Engineer | Trinity Media Company (January 2021 - Present)

- Manage front-of-house and livestream mixing for large-scale worship services and special events
- Configure and operate digital mixing consoles, wireless systems, Dante networks and broadcast equipment
- Implement redundancy systems and backup solutions for critical audio infrastructure

EDUCATION

California State University - Fullerton, CA (2023 - 2026)

B.S. in Mechanical Engineering (Expected Spring 2026)

Norco College, Norco, CA (2020 - 2022)

A.S. in Pre-Engineering and A.S. in Math & Physics (Spring 2022)

SKILLS AND LANGUAGES

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- Software: SolidWorks, MATLAB, Simulink, Twinmotion, Ansys, OpenFOAM, Fusion 360
 - Engineering Tools: Test fixture design, manufacturing processes (SOP, WBS, kanban), quality testing, troubleshooting, GD&T
 - Audio Systems: Digital mixing consoles, Dante networking, signal processing, multi-track recordings
 - Fabrication: Mill/Lathe machining, TIG/MIG welding knowledge, 3D printing
 - English (Native)
 - Spanish (Intermediate)

