

Riley Eldredge

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EDUCATION

-UNIVERSITY OF NEVADA, LAS VEGAS

AUG 2018 – MAY 2021

B.S. Entertainment (Mechanical) Engineering & Design (Hybrid M.E. and Fine Art degree)

-LAS POSITAS, OHLONE, CHABOT COMMUNITY COLLEGES

AUG 2014 – MAY 2018

Higher Education

EXPERIENCE

-ENGINEERING TECHNICIAN | PLUS.AI, SAN JOSE, CA

OCT 2021 – CURRENT

Assembling custom wire harnesses and installing them in autonomous semi trucks. Develop and implement validation procedures for harnesses slated for production. Draft quality control standards for industry partners.

-MANUFACTURING PRODUCTION SUPPORT | VITEC, LIVERMORE, CA

JAN 2018 – AUG 2020

Headed parts assembly, hardware installation, machine and vehicle maintenance, shipping, delivery, inventory management, and warehouse upkeep.

-FABRICATOR & SALES | TAP PLASTICS, PLEASANTON, CA

DEC 2014 – NOV 2017

Fabricated projects to customer specifications using various types of plastic materials and processing methods.

PROJECTS

-NEORUNNER PROTOTYPE THEME PARK ATTRACTION

JULY 2020 – MAY 2021

Created a motion control simulator with heads-up display, equipped with roll/pitch control via an Arduino and industrial linear actuators. Full-sized innovative "dark ride" prototype allowed riders to race against opponents through a circuit in real-time. Modeled the interactive attraction in Unity. Used Matlab to simulate and optimize drive linkage design.

-PORTABLE STAGE LIGHT RIG

AUG 2019

Designed and built a portable stage lighting rig compact enough to conform to airline-checked bag size and weight limitations. Programmed lights on rig to display effects synchronized to music.

To view a complete project portfolio, please visit www.foundriley.com

VOLUNTEER

-ALAMEDA COUNTY FIRE RESERVES

JULY 2021 - CURRENT

Assist with apparatus maintenance and equipment storage management.

-UNLV HOMECOMING

SEPT 2019

Installed DMX programmable lighting to golf cart decoration for the Department of Visual Arts.

-UNLV HALLOW"SWE"EN

OCT 2018

Contributed to logistics, prop construction, set-up and tear-down for the event sponsored by the Society of Women Engineers (SWE).

SKILLS

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|----------------------------------|-----------------------------|---------------------------------|
| ● Autodesk Inventor & Solidworks | ● Matlab | ● C++, C#, Arduino IDE |
| ● Word, PowerPoint, Excel | ● Vegas Pro 13 Video Editor | ● Unity |
| ● Final Cut Pro | ● 3D Printing | ● Welding |
| ● Laser cutting | ● Woodworking | ● Adobe Photoshop & Illustrator |

ACCOLADES

- | | | |
|---|----------------------|----------------------------------|
| ● Academic Honors | ● Dean's Honors list | ● Pedrozzi Scholarship recipient |
| ● First Place recipient Fred & Harriet Cox Senior Design Competition UNLV | | |