

Company: FANUC America Corporation

Job Title: Front-End Website Developer

Location: 3900 W Hamlin Rd, Rochester Hills, MI 48309

Dates: May 12th, 2025 - August 8th, 2025

Supervisor: Bryan Dougan - Website Manager

Key Responsibilities:

- Website Maintenance and fixing bugs
- Working on main project Learning Paths

Tasks Performed:

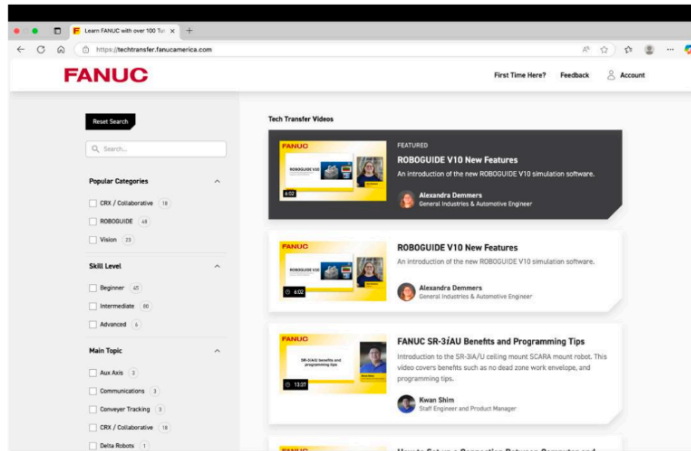
- Completed a task requested by General Motors (GM)
- Presented project to numerous executives and the CEO of FANUC America
- Collaborated with engineers to figure out content for the Learning Paths
- Deepened understanding of Figma design and content modeling
- Developed skills with templated engines such as Twig
- Optimized search/filter functionality with javascript and services like Algolia Site Search
- Designed and implemented scalable "Learning Path" architecture to structure technical training content.
- Built reusable, server-rendered templates using Twig and maintained dynamic course pages.

Skills Used/Learned: JavaScript, TailwindCSS, CSS, Twig, PHP, Figma, Algolia Site Search

Positive Feedback:

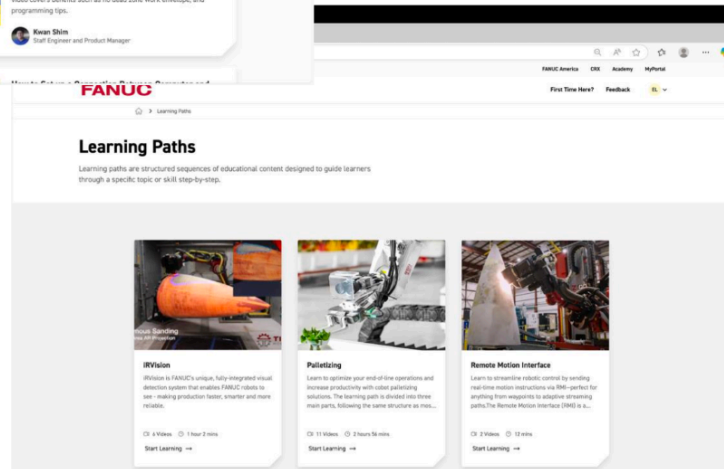
- LinkedIn Recommendation:
 - "I hired Evelyne as a front-end developer intern over the summer on the web marketing team. Evelyne quickly grew into her role, learning all about content modeling, Craft CMS, TailwindCSS, and Figma. Any challenge assigned, Evelyne was excited to take on the task and built some impressive things over the summer internship. She even went as far as presenting her work to executive staff members. My favorite things about Evelyne are her exceptional work ethic and positive attitude. I highly recommend Evelyne for any front-end web development role." (Bryan Dougan, FANUC Website Manager)

Main Project: Learning Paths



Tech Transfer

Learning Paths

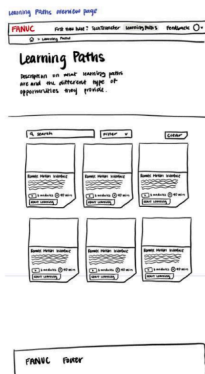


Tech Transfer is FANUC's video library for tutorials on robots and automation tools.
Learning Paths are templated guided courses to help users learn certain topics on the Tech Transfer website.

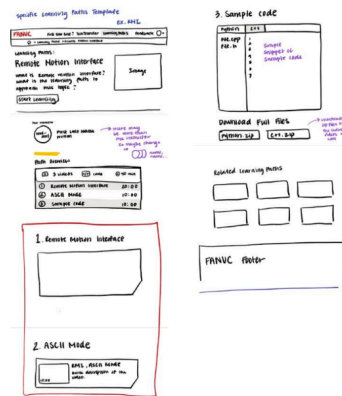
Utilities: Craft CMS, Tailwind CSS, Alpine.js, Twig, PHP

White-board Sketches:

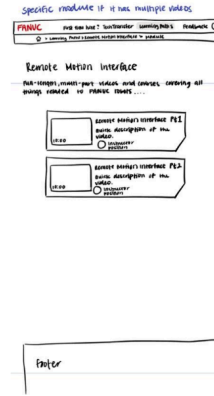
Overview Page



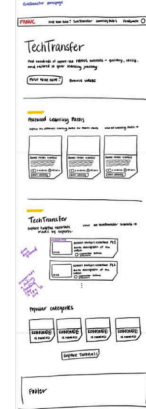
Specific Path



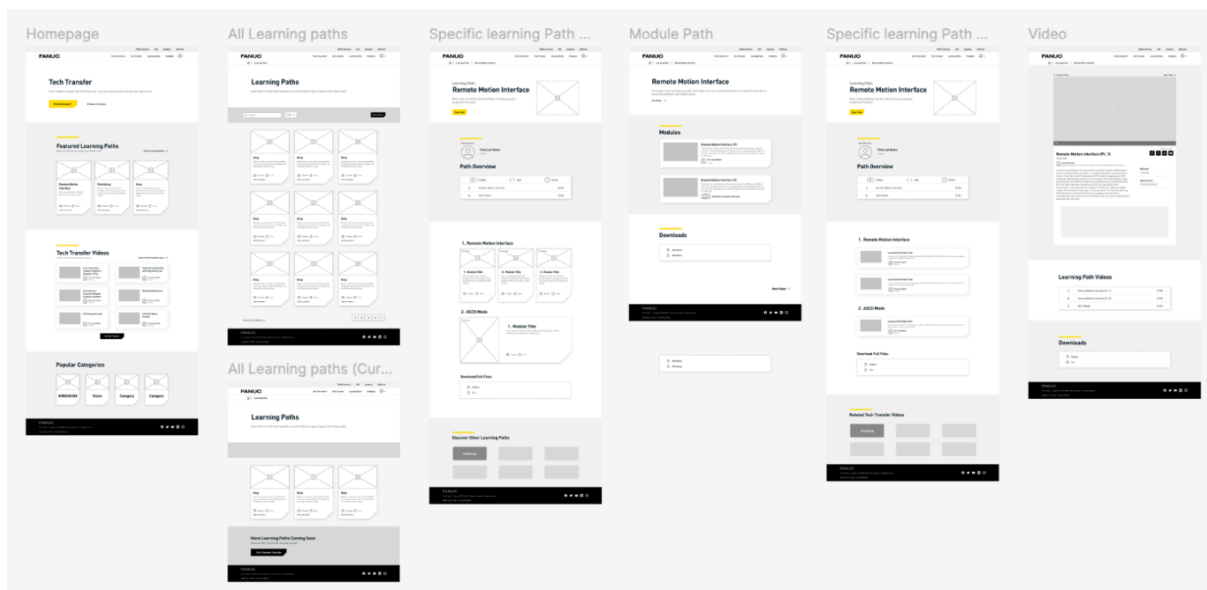
Path Module



Homepage



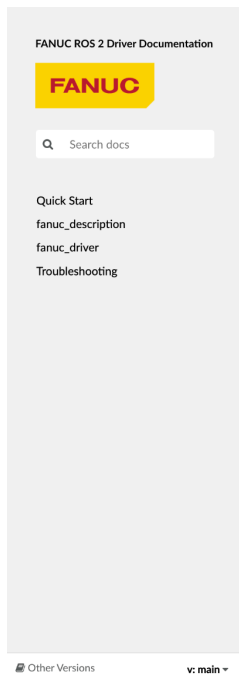
Figma Mock-ups:



R&D – ROS2 Documentation Styling

Utilities: CSS, Sphinx

https://fanuc-corporation.github.io/fanuc_driver_doc/main/



🏠 / FANUC ROS 2 Driver Documentation

🔗 Edit on GitHub

FANUC ROS 2 Driver Documentation



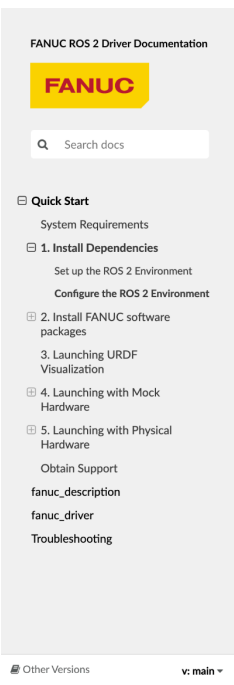
Overview

Welcome to the FANUC `ros2_control` driver, which supports high-frequency motion and cyclic I/O control as well as asynchronous command support of the FANUC robot controller.

The FANUC `ros2_control` driver is built using the Robot Operating System (ROS) 2, an open-source framework, and libraries designed for building robot applications. The following documentation provides information on how to use `ros2_control` driver in conjunction with FANUC Robots.

The following R-30iB Plus robot models are currently supported with more models and R-50iA being supported soon:

- CRX-5iA
- CRX-10iA



🏠 / Quick Start

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Quick Start

This repository hosts the source code of the FANUC ROS 2 Driver project, a `ros2_control` high-bandwidth streaming driver. This project will allow you to develop a ROS 2 application to control a FANUC virtual or real robot.

Note

This guide assumes basic familiarity with ROS 2, Ubuntu, and FANUC hardware.

System Requirements

- **Operating System:** Ubuntu 22.04 LTS (optionally with real-time PREEMPT_RT kernel installed)
- **ROS 2 Distribution:** Humble Hawksbill
- **FANUC Robot Controller:** R-30iB Mini Plus with J519 Stream Motion and R912 Remote Motion.
- **FANUC Robot:** CRX series

1. Install Dependencies

Set up the ROS 2 Environment

Follow the official [ROS 2 Installation Guide](#) for the Desktop Install of ROS 2 Humble.

Configure the ROS 2 Environment

We recommend performing the following tasks in the [ROS 2 Configuring Environment](#):

- Add sourcing to your shell startup script