

Transfr VR Career Exploration–Career Simulations List

Agriculture, Food, and Natural Resources

Career	Simulation	Description
Diesel Farm Equipment Mechanic	Repair Diesel Farm Equipment	Diagnose and fix a combine harvester diesel engine
Food Scientist	Test New Snack Packaging	Perform a series of tests on a new snack packaging material to determine if it's effective and ready for production.
Veterinary Technician	Care for a Dog with an Ear Infection	Assist with treating a dog with ticks and an ear infection

Architecture & Construction

Occupation	Description	Summary
Architect	Design a New Building for a School	Design, create blueprints, and oversee construction of a new career and technical education building on a high school campus.
Broadband Utility Construction	Drill an Underground System	Use a horizontal directional drill to install underground conduit for fiber optic cables
Broadband Tower Construction	Rebuild a Destroyed Communication Tower	Attach a new segment to rebuild a damaged communication tower
Broadband Fiber Installer/Repairer	Repair Fiber Internet to a City Block	Repair a broken fiber optic cable to restore internet service
Carpenter	Rebuild a Historic Bakery Roof	Finish constructing and installing a roof truss assembly as part of a major repair to a historic building
Construction Laborer	Demolish an Overpass	Safely demolish an old overpass using power tools and explosives

Distribution Line Worker	Restore Power to a Neighborhood	Replace a transformer to fix a power outage in a neighborhood
Electrician	Fix Power Outage at a Hospital	Replace a faulty relay to restore power to a hospital
HVAC Technician	Repair a Rooftop HVAC Unit	Investigate, repair, and perform routine maintenance on a commercial rooftop HVAC unit
Pipefitter	Prepare a Pipe for a Commercial Building	Perform the required safety precautions and procedures for cutting a pipe and preparing ends for welding
Plumber	Repair a Pool Filtering System	Repair a community pool's filtering system by identifying a leak, installing a new pump, and restoring water flow
Solar Technician	Install a Solar Panel on a Home	Install a solar panel and connect the wires in the breaker box
Steelworker	Build a Warehouse Structure	Build the core structure of an industrial warehouse to specification using steel columns and beams
Transmission Line Worker	Restore Power to an Entire Town	Change an insulator on a high voltage power line to restore electricity to a town

Arts, Audio Visual Technology & Communication

Occupation	Description	Summary
Graphic Designer	Redesign a Restaurant Brand Kit	Learn different graphic design concepts and apply them while using an image editing program to fix problems with a restaurant's brand kit

Finance

Occupation	Description	Summary
Financial Analyst	Make an Investment Plan	Assess a foundation's investments and create a new plan to increase their earnings

Government and Public Administration

Occupation	Description	Summary
City Planner	Plan a New Urban Development	Plan the zoning, utilities, and public services of a new urban development according to a set budget.

Health Science

Occupation	Description	Summary
Clinical Laboratory Technologist	Process a Sample in a Lab	Assist with a white blood cell viability test on a blood sample to help determine the best course of treatment for a patient undergoing chemotherapy
Medical Assistant	Assist with an Electrocardiogram (EKG)	Assist with the application and removal of an EKG on a patient in a medical facility
Pharmacy Technician	Prepare an Intravenous (IV) Infusion	Assist with preparing and sending an IV infusion for an emergency room patient
Phlebotomist	Perform a Blood Draw	Comfort a nervous patient while collecting a blood sample with a needle and test tube
Radiologic Technician	Capture an X-Ray of a Leg Wound	Assist with preparing a patient and radiologic equipment for capturing

		x-ray images of a wound with a foreign object in place
Registered Nurse	Help an Emergency Patient	Obtain a blood pressure measurement and start an IV line and infusion on a patient in the emergency room
Surgical Technologist	Assist with Knee Surgery	Pass instruments to the surgeon and use a bone saw during surgery in the emergency room

Hospitality & Tourism

Occupation	Description	Summary
Chef	Prepare and Plate a Signature Dish	Prepare the ingredients for a risotto dish and plate the entree at a fine dining restaurant
Restaurant Manager	Improve the Dining Experience at a Restaurant	Listen to customer complaints and resolve problems related to food quality around the restaurant

Human Services

Occupation	Description	Summary
Cosmetologist	Perform Facial Treatments	Perform a cryo facial and LED therapy on a client with acne to soothe her skin and boost her confidence
Certified Nursing Assistant (CNA)	Help Family Members Connect	Help a resident at a long-term care facility find their hearing aid and connect with their son

Information Technology

Occupation	Description	Summary
Cyber Security Analyst	Stop a Cyber Attack	Use security software to identify the threat, resolve a network vulnerability, and stop a cyberattack on a city's power grid
Geographic Information Systems (GIS) Technician	Process Agricultural Data for a Family Farm	Process agricultural data to create a map that will help farmers make informed decisions about their crops this year.
Network Technician	Fix an App Service Outage	Make and install a CAT6e cable to fix an offline app

Law, Public Safety, Corrections & Security

Occupation	Description	Summary
Emergency Medical Technician (EMT)	Help at a Car Accident	Assist with cervical spine precautions and applying a splint at the scene of a car crash

Manufacturing

Occupation	Description	Summary
EV Battery Manufacturing Technician	Assemble Components of an EV Battery	Assemble and test components of an electric vehicle battery
Industrial Maintenance Technician	Repair an Industrial Cooker	Repair a broken industrial cooker to restart the production line in a food manufacturing plant
Installation Maintenance & Repair Worker	Make Repairs at a Hotel	Replace a light bulb in a chandelier and repair an automatic door sensor
Quality Control Analyst	Test a Prosthetic Leg	Run quality checks for safety & functionality

Robotics Specialist	Repair a Mobile Picker Bot	Repair a malfunctioning mobile picker robot to safely return to its automated tasks at a fulfillment center
Semiconductor Manufacturing Technician	Find the Contaminated Microchips	Use a metrology tool to find which microchip is contaminated with particles
Welder	Fix a Broken Assembly Line	Weld a broken joint to repair a conveyor belt

Science, Engineering, Mathematics & Technology

Occupation	Description	Summary
Electrical Engineer	Design an Electrical System for a Hospital	Design an electrical system for a hospital that contains backup power sources and failsafes

Transportation, Distribution, and Logistics

Occupation	Description	Summary
A&P Technician	Service a Commercial Airplane	Inspect a jet engine fan and repair a damaged tire to make an airplane safe for flight
Automotive Services Technician	Change the Oil in an Automobile	Change the oil and the oil filter in an automobile
CDL Truck Driver	Prepare for a Trucking Route	Explore the features of a semi-truck and prepare for the final leg of delivery
Electric Vehicle Service Technician	Replace an EV Battery	Replace the EV battery in an electric vehicle