

Real Estate Investing and Remodeling | *March 2019 : Current*

- Conducted market research and financial analysis to identify profitable properties
- Managed all aspects of the renovation process, including budgeting, & subcontractor coordination
- Installed modern and stylish fixtures, increasing the appeal and resale value of the properties
- Completed high quality projects on time and within budget

Research Intern, Fisk University | *Summer 2023*

- Developed and implemented an algorithm to analyze raw data, enhancing data processing capabilities.
- Conducted in-depth research on scintillator crystals and their applications in radiation detection.
- Contributed to the design and construction of a modular electronic radiation detection device.

Nashville Software School | Full Stack Software Developer | *May 2019 : November 2019*

- Built browser-based single page applications using React, Javascript, CSS, and HTML
- Utilized Git/GitHub for source code version control and managing with GitHub projects
- Applied JavaScript fundamentals to write dry, modular code and reusable components
- Styled web applications using Bootstrap, Semantic UI, JQuery, and CSS
- Developed web applications using Python and Django, and built API's using Django REST
- Collaborated on group projects reflecting real-world business problems using Agile development
- Built and interacted with databases using SQL

Murphy's Motor Works | Owner | *August 2013 : March 2019*

- Tuned and reflashed ECMs with eeprom and flash memory
- Rebuilt and balanced NiCad and Lithium-ion batteries
- Modified shop router with Raspberry Pi and PiHole for ad-free YouTube channel
- Diagnosed and repaired multiplex 12vdc electrical systems with OE and aftermarket interface
- Wired CAT5/CAT6 surveillance/networking systems and 3 phase 220v machinery
- Acquired an Auto dealers license; bought, listed, and sold vehicles
- Managed employees, accounted for taxes and payroll with Quickbooks
- Built customer relations, Income and expense accounts, managed parts and supplies

Rook Industries | Product design and fabrication | *Co-owner January 2012 : June 2013*

- Obtained a patent-pending license for a product I designed
- Developed and fabricated chassis bracing products
- Utilized AutoCad and SolidWorks for design
- Promoted business via social media for events and influencers

USA Motor and Machine | Machinest/Import Specialist | *January 2009 : January 2012*

- Maintained and operated complex machines including the crankshaft grinder, boring, milling, honing, line boring, and valve grinding machines
- Developed their welding and fabrication department

Education

Tennessee State University | BS in Mechanical Engineering | Jan 2023 - May 2025

Nashville State Community College | AS in Mechanical Engineering | Jan 2020 - May 2023

Nashville Software School | Full Stack Software Engineer | 2019

Nashville Auto Diesel College | Automotive Repair and Diesel Specialties | 2010

[View as PDF](#)