

Career Details for Mickey Dorsey

I am a retired mechanical engineer with more than 50 years of experience in product and equipment design and development, manufacturing engineering, product testing, engineering education, hands on fabrication, mechanical restoration, and corporate and private business management. I have a business known as Mechanical Enterprises, LLC, offering Product Design and Development Services and Consulting to inventors, entrepreneurs, small businesses needing engineering support, and individuals just wanting to learn something new or get help with a dream project. I work from my home office and shop in Taylors, SC.

I am a 1972 graduate of Georgia Tech (BME), Registered Professional Engineer in SC (PE-retired-emeritus), Certified SolidWorks Professional (CSWP-Retired) with many years of industrial experience with local companies such as Michelin-MARC (10 years), SealedAir Corp. (11 years), and Hartness International (2 years), Greenville Technical College (5 years), Full time Antique Auto Restoration (5 years), and Owner-President of Mechanical Enterprises, LLC as stated above.

The diversity of my career has afforded me the exposure to multiple technologies and levels of responsibility, starting from Paper Mill Technician and Draftsman in 1968 thru Manufacturing Engineering Manager, Technical Publications Manager, Tire Testing and Design Supervisor, and Owner of small businesses. I have maintained my technical level of competence by retaining my own seat of SolidWorks for 17 years, designing for multiple manufacturing processes and materials, rapid prototyping, 3D Scanning, and building and testing prototypes for my clients. In short, I consider myself to be a hands on, practical, hard working, creative engineer looking for opportunities to share my experiences with those who want to learn or accomplish something.

I will be happy to make myself available for a personal discussion of your needs. Please review the links and details below for more information. Professional References are available upon request.

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[LinkedIn Profile](#)

[Website](#)

Objective: Seeking opportunities to share my experiences in product design, development, manufacturing, testing, restoration, and help others who seek to learn about these areas of the technical world. Tutoring, consulting, brainstorming, resourcing, documenting, patenting, Antique automobiles & micro cars .

Education: BME 1972 Georgia Institute of Technology, Atlanta, Ga.
1967 One Semester, US Military Academy, West Point, N.Y.
1965-1971 US Army Reserves-Special Forces (Airborne) Savannah, Ga.

Professional: Registered P.E., South Carolina #7458 (Retired)
Certified SolidWorks Professional (CSWP) (Retired)
Past Chairman, Engineering Graphics Technology Advisory Committee
Greenville Technical College
Founder-Past Chairman, Greenville SolidWorks User Group

Work History: 50+ years of industrial and private business experience with extensive exposure to both design and manufacturing engineering technologies, industrial and private business management, and hands-on fabrication skills. These experiences include:

- Machine design, reverse engineering, manufacturing engineering management, engineering systems, and technical publications management in the packaging equipment industry. (13 years)
- Supervision of design and testing of automobile tires with heavy emphasis on statistical analysis and instrumentation of test vehicles, hiring and training of test drivers and designers, management of tire design archives. Lived and trained in France for 19 months. Design of rubber extrusion dies, training of die technicians in SolidWorks. Traveled to plants in US, Canada, France and UK. (11 years)
- Instructor-Engineering Graphics Technology. Taught basic courses of drafting and machine design, GD&T, Basic and Advanced courses on 3D Solid Modeling using SolidWorks, (for both Curriculum and Continuing Education) and Engineering Materials. (5 years full time + 2 years as adjunct)
- Owned and operated a full time antique automobile restoration business winning local and national show awards. Developed hands on skills in all phases of restoration. (5 years)
- Owner Mechanical Enterprises, LLC- Product Design and Development Services: 3D digital design using SolidWorks, fabrication of conventional and rapid prototypes, testing and evaluation of components, finding manufacturing resources, development of processes for production, engineering and patent documentation, cost estimates for business plans. Projects include cemetery equipment, bronze casting and engraving, consumer products, medical devices, advertising fixtures, automotive components, landscaping, printing, packaging, recreational equipment, industrial machines, jigs and fixtures. Established part time 1982 as a Restoration Business and operated full time since 2008. Portfolio available for review upon request.
- Developed equipment to support nuclear weapons program at Savannah River Nuclear Site including a Vacuum Force Welder and Remote Electrical Connector Rebuilding Machine. Tested ultra high pressure valves and fittings, used high speed photography; programmed first NC Lathe in the Machine Shop. (1 ½ years)
- Prior to graduation from Georgia Tech, Paper Mill Technician and Electrical Draftsman, part time Machine Design for a small business in Atlanta during college. (2 years)

My career has provided experiences from paper mill technician up through management levels in engineering with a broad exposure to various industries, technologies, private business management, and education. Responsibilities have included departmental budget management, capital equipment justification, selection, purchase and installation, personnel selection, hiring, and evaluations, engineering design and safety standards, verbal and written proposals to management.

Other interests:

Those who know me understand my love of all things mechanical, especially old cars. I like to make or restore things, get my hands dirty, work in the yard, and play with my grand children. I like to draw things and work on the computer to find things, like putting together a puzzle. I would love to have been successful financially with the Antique Automobile Restoration business, but when that did not work out, I have continued my work as an engineer to pay the bills while never losing the love of the old cars.