



Michael B. Parks, PE, CEM

Founder and Chief Engineering Officer

Green Shoe Garage

Veteran-owned Small Business

Mike Parks is a native of Glen Burnie, Maryland. He began his engineering career at the United States Naval Academy as a research assistant in the Department of Weapons and Systems Engineering. He went on to honorably serve on active duty in the United States Navy for over a decade before returning to civilian life.

Mike is the founder of Green Shoe Garage (GSG), a solutions engineering company built on three core pillars. First, a physical prototype development company that performs conceptual design, detailed engineering, prototype fabrication, laboratory & real-world testing, and low-volume manufacturing of new physical products. Second, an Industrial Control Systems and Internet of Things (ICS/IoT) security research laboratory. Third, a digital media studio dedicated to producing quality science and technology education, outreach, and marketing content.

Mike has over 20 years of experience in designing, building, installing, and testing practical embedded system solutions for clients in North America, Europe, Asia, and Africa. Fortune 500 companies, academic institutions, and small businesses alike have sought Green Shoe Garage's unique insights and expertise.

Mike has been involved with numerous initiatives over the years that advocate for various technology and social issues, including the maker movement, STEAM education, open-source hardware and software, citizen science, digital citizenship, ethical hacking, criminal justice reform, elimination of poverty, and voting rights. Mike is a member of the Tau Beta Pi Engineering Honor Society, Disabled American Veterans, American Legion, Open Source Hardware Association, and the National Eagle Scout Association. He is a licensed Professional Engineer in the State of Maryland. He holds a Bachelor of Science in Computer Engineering from the University of Maryland, Baltimore County, and a Master of Science in Systems Engineering from Johns Hopkins University. To round out his nerd credentials, he also holds an Extra Class amateur radio license (N1HNP). When not sequestered in the workshop or laboratory, he loves exploring all aspects of geek culture with his greatest design ever, his very talented daughter Hailey.

