BRIAN E. STITT

Bio Sketch

SHORT BIO (50 words)

Brian E. Stitt is an Instructional Technologist and Adjunct Professor at Wake Technical Community College, where he teaches robotics and PLC programming. With 20+ years at the U.S. EPA and a Master's in Industrial Engineering Technology, he pioneers educational robotics programs and bridges advanced manufacturing with workforce development.

MEDIUM BIO (100 words)

Brian E. Stitt is an Instructional Technologist, Automation Specialist, and Adjunct Professor at Wake Technical Community College, where he teaches robotics and PLC programming using Allen Bradley PLCs and Fanuc robotic arms. With over 20 years of experience at the U.S. Environmental Protection Agency designing IT and automation solutions, Brian brings deep expertise in educational robotics, AI instruction, and advanced manufacturing. His pioneering work developing Mitsubishi Robotics training materials at Bowling Green State University catalyzed the creation of a new Mechatronics Engineering Technology degree program. He is actively pursuing Professional Engineer licensure and multiple advanced manufacturing certifications while delivering hands-on workshops featuring the DJI RoboMaster EP Core platform.

EXTENDED BIO (200 words)

Brian E. Stitt is an innovative Instructional Technologist, Automation Specialist, and Advanced Manufacturing Training Designer with a unique ability to bridge industrial automation, educational robotics, and workforce development. Currently serving as Adjunct Professor at Wake Technical Community College, he teaches robotics and PLC programming using industry-standard Allen Bradley PLCs, Fanuc robotic arms, and Allen Bradley robotic arms, preparing students for careers in advanced manufacturing.

With over 20 years at the U.S. Environmental Protection Agency, Brian has designed and delivered complex IT and automation solutions, including nationwide sensor networks, cloud-based data systems, and real-time monitoring infrastructure. His expertise spans instructional design, workforce training, cloud architecture, and IoT integration.

Brian's impact on robotics education began at Bowling Green State University, where his pioneering Mitsubishi Robotics training manual became the foundation for the university's Bachelor of Science in Mechatronics Engineering Technology degree program. Today, he develops comprehensive AI and robotics workshops featuring the DJI RoboMaster EP Core, teaching practical applications of computer vision, autonomous navigation, and robotic manipulation.

Holding a Master's degree in Industrial Engineering Technology and a Bachelor's in Electronics Engineering Technology, Brian is actively pursuing Professional Engineer (PE) licensure in Electrical Engineering and multiple advanced manufacturing certifications. He has also contributed significantly to community health technology initiatives and grant development, demonstrating his commitment to leveraging technology for social good.

FULL BIO (350 words)

Brian E. Stitt is an innovative educator and technologist who has dedicated his career to advancing workforce development through hands-on instruction in robotics, automation, and artificial intelligence. As Adjunct Professor at Wake Technical Community College, he teaches robotics and programmable logic controller (PLC) programming, providing students with real-world experience using Allen Bradley PLCs, Fanuc robotic arms, and Allen Bradley robotic arms—the same industrial systems they'll encounter in advanced manufacturing careers.

Brian's professional journey spans over two decades at the U.S. Environmental Protection Agency (EPA), where he serves as Information Technology Specialist. At the EPA, he has designed and delivered comprehensive training programs while developing cutting-edge automation solutions, including a nationwide air quality monitoring system that collects real-time data from over 500 sensors through scalable cloud infrastructure. His technical expertise encompasses cloud architecture, data integration, IoT sensor systems, and instructional design.

His impact on robotics education began in the late 1990s at Bowling Green State University, where he developed foundational Mitsubishi Robotics training materials that introduced students to industrial automation principles. This pioneering work became the catalyst for the university's launch of a Bachelor of Science degree program in Mechatronics Engineering Technology, demonstrating Brian's ability to create transformational educational initiatives.

Today, Brian expands the reach of robotics education through comprehensive workshops featuring the DJI RoboMaster EP Core platform. His curriculum integrates AI fundamentals, computer vision, autonomous navigation, and robotic manipulation, progressing from block-based Scratch programming to advanced Python applications. These workshops address both technical skills and ethical considerations, fostering balanced discussions about how AI and robotics can serve humanity.

Brian holds a Master of Science in Industrial Engineering Technology and a Bachelor of Science in Electronics Engineering Technology, both from Bowling Green State University. He is actively pursuing Professional Engineer (PE) licensure in Electrical Engineering and multiple advanced manufacturing certifications, including Certified Production Technician (CPT) and Smart Automation Certification Alliance (SACA) credentials.

Beyond his professional roles, Brian volunteers as Community Health Worker and IT Administrator for Women Leading for Wellness and Justice, where he develops data solutions, assists with grant proposals, and deploys technology infrastructure for underserved communities. His work exemplifies the intersection of technical excellence, educational innovation, and social responsibility.

Contact: brianstittsr@gmail.com | (919) 608-3415 | Raleigh, NC

CONFERENCE/SPEAKER BIO (150 words)

Brian E. Stitt is an Instructional Technologist and Adjunct Professor who specializes in making advanced manufacturing and robotics education accessible and engaging. Currently teaching at Wake Technical Community College, he delivers hands-on instruction in robotics and PLC programming using Allen Bradley and Fanuc systems.

With 20+ years at the U.S. Environmental Protection Agency designing automation and data systems, Brian brings real-world expertise to the classroom. His pioneering robotics training materials at Bowling Green State University launched the university's Mechatronics Engineering Technology degree program.

Brian's workshops feature the DJI RoboMaster EP Core platform, teaching AI, computer vision, and autonomous systems through practical, hands-on experiences. He holds master's and bachelor's degrees in Industrial and Electronics Engineering Technology and is pursuing Professional Engineer licensure.

His work bridges industry standards with educational innovation, preparing students for careers in advanced manufacturing while fostering thoughtful discussions about technology's role in society.

SOCIAL MEDIA BIO (Twitter/X - 160 characters)

Instructional Technologist | Adjunct Prof @WakeTech | Teaching Robotics & AI | 20+ yrs @EPA | Pioneer in Educational Robotics | PE Candidate | Raleigh, NC

SOCIAL MEDIA BIO (LinkedIn Summary)

Instructional Technologist | Automation Specialist | Advanced Manufacturing Training Designer

I bridge the gap between industrial automation and education, preparing the next generation of manufacturing professionals while advancing workforce development initiatives.

🎓 **Currently:**

- Adjunct Professor, Wake Technical Community College
- Teaching Robotics & PLC Programming (Allen Bradley, Fanuc)
- Developing AI & Robotics workshops with DJI RoboMaster EP Core

💼 **Professional Experience:**

- 20+ years as Information Technology Specialist, U.S. EPA
- Designed nationwide sensor networks & cloud automation systems
- Delivered training on emerging technologies & data-driven workflows

🚀 **Educational Innovation:**

- Pioneered Mitsubishi Robotics training at Bowling Green State University
- Catalyzed launch of university's Mechatronics Engineering Technology degree
- Developed comprehensive curriculum integrating AI, computer vision & robotics

📚 **Education & Credentials:**

- MS, Industrial Engineering Technology
- BS, Electronics Engineering Technology
- Pursuing: PE Licensure (Electrical Engineering)
- Pursuing: CPT 4.0, SACA Silver & Gold, Smart Energy Certifications

🤝 **Community Impact:**

- Volunteer IT Administrator & CHW, Women Leading for Wellness and Justice
- Grant development & technology infrastructure for underserved communities

Specialties: Educational Robotics | Industrial Automation | PLC Programming | AI & Computer Vision | Workforce Development | Cloud Architecture | IoT Systems | Instructional Design | STEM Education | Grant Development

📍 Raleigh, NC | 📧 brianstittsr@gmail.com

WORKSHOP FACILITATOR BIO (75 words)

Brian Stitt brings over 20 years of automation experience from the U.S. EPA and groundbreaking work in educational robotics to his dynamic workshops. As Adjunct Professor at Wake Tech, he teaches industrial robotics and PLC programming while developing innovative AI and robotics curriculum. His hands-on teaching approach combines real-world technical expertise with engaging demonstrations, making complex concepts accessible to learners of all levels. Brian holds a Master's in Industrial Engineering Technology and is pursuing Professional Engineer licensure.

GRANT PROPOSAL BIO (125 words)

Brian E. Stitt, MS, Instructional Technologist and Automation Specialist, brings demonstrated expertise in workforce development, advanced manufacturing education, and technology integration to this proposal. As Adjunct Professor at Wake Technical Community College, he delivers industry-aligned instruction in robotics and PLC programming. His 20+ years at the U.S. Environmental Protection Agency include designing automation solutions and delivering comprehensive training programs.

Brian's pioneering educational robotics work at Bowling Green State University catalyzed institutional program development, demonstrating his ability to create transformational initiatives. His current workshops integrate AI, robotics, and ethical technology discussions, preparing diverse learners for emerging careers.

With advanced degrees in Industrial and Electronics Engineering Technology and active pursuit of Professional Engineer licensure, Brian combines technical depth with pedagogical innovation. His volunteer work supporting community health technology demonstrates commitment to equitable access and social impact.

PODCAST/INTERVIEW BIO (100 words)

Brian Stitt is passionate about making robotics and AI accessible to everyone. By day, he teaches industrial robotics at Wake Technical Community College and designs automation systems for the U.S. EPA. But his real excitement comes from watching students' eyes light up when they program their first robot or realize that AI isn't something to fear—it's a tool we can all learn to use.

From pioneering university robotics programs to developing hands-on AI workshops, Brian bridges the gap between complex technology and practical education. He believes the future belongs to those who understand how to work alongside machines, not compete against them.

VIDEO/MEDIA KIT BIO (Panel Description)

BRIAN E. STITT

Instructional Technologist | *Automation Specialist* | *Robotics Educator*

Brian Stitt stands at the intersection of education, industry, and innovation. As an Adjunct Professor at Wake Technical Community College, he prepares students for advanced manufacturing careers through hands-on training with Allen Bradley PLCs and Fanuc robotic systems. His two decades at the U.S. Environmental Protection Agency have given him deep expertise in automation, cloud systems, and large-scale technology deployment.

But Brian's greatest impact may be in democratizing robotics education. His pioneering training materials launched Bowling Green State University's Mechatronics Engineering Technology degree, and his current workshops teach AI and robotics to learners of all ages and backgrounds. He tackles tough questions: How do we prepare workers for an automated future? Can AI be ethical? How do we ensure technology serves everyone, not just the privileged few?

With master's and bachelor's degrees in engineering technology and active pursuit of Professional Engineer licensure, Brian combines academic rigor with real-world experience. His volunteer work bringing technology to underserved communities reflects his belief that education and innovation should be accessible to all.

Topics Brian Addresses:

- Workforce development in the age of automation
- Making STEM education engaging and accessible
- Ethical AI and responsible robotics
- Bridging industry needs with educational programs

- Hands-on learning vs. traditional instruction
- The future of manufacturing careers

ONE-LINER BIOS

For Event Programs: Brian Stitt is an Adjunct Professor at Wake Tech and Instructional Technologist with 20+ years at the U.S. EPA, specializing in robotics education and advanced manufacturing training.

For Certificates/Awards: Brian E. Stitt, MS, Instructional Technologist and Automation Specialist, Wake Technical Community College

For Email Signatures: Brian E. Stitt | Instructional Technologist | Adjunct Professor, Wake Technical Community College

For Name Tags: Brian Stitt | Robotics & Automation Educator | Wake Tech

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PROFESSIONAL HEADINGS

For Presentations: Brian E. Stitt, MS Instructional Technologist | Automation Specialist Adjunct Professor, Wake Technical Community College

For Publications: Brian E. Stitt, MS Department of [Relevant Department], Wake Technical Community College Information Technology Specialist, U.S. Environmental Protection Agency

For Workshop Materials: Instructor: Brian E. Stitt, MS Robotics & AI Education Specialist
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All bios current as of November 2025