



# LTC Steven Hoak

**PRODUCT MANAGER**

**MULTI-DOMAIN ARTILLERY CANNON SYSTEM**

**RAPID CAPABILITIES AND CRITICAL TECHNOLOGIES OFFICE**

LTC Steven Hoak hails from Coal Center, PA. The son of a coal miner, he attended the United States Military Academy at West Point, and upon graduating in 2006, received a Bachelor of Science in Chemical Engineering and commissioned as a Second Lieutenant in the U.S. Army before attending Flight School at Fort Rucker (now Fort Novosel), AL.

LTC Hoak has served at Fort Wainwright, AK in the 1-52nd Aviation Battalion as a Maintenance Company Platoon Leader and MEDEVAC Flight Platoon Leader in support of Operation Iraqi Freedom. LTC Hoak then served in the 164th Theater Airfield Operations Group (TAOG), specifically as the 1-58th Airfield Operations Operations Officer following their redeployment from Iraq. He then successfully Commanded Headquarters and Headquarters Company in the TAOG before moving back over to TRADOC to serve as a Basic Officer Leadership Course instructor and mentor.



In 2014, looking for a more technology/science-focused career, LTC Hoak made the transition over to the Acquisition Corps. Upon completing entry-level training, he was assigned to the Missile Defense Agency as an Assistant Product Manager in the Theater High Altitude Area Defense Program Office at Redstone Arsenal, AL. Next, Steven attended the Air Force Institute of Technology and earned a Master of Science in Nuclear Engineering. From 2018-2021, LTC Hoak served as an Assistant Research Director and Assistant Professor at the United States Military Academy where he taught in both the Departments of Physics and Nuclear Engineering and Systems Engineering. He led research into mobile nuclear power for expeditionary Army operations. His most recent assignment is attending the Massachusetts Institute of Technology for a PhD in Nuclear Engineering. LTC Hoak is currently the CSL Product Manager for the Multi-Domain Artillery Cannon System under the Rapid Capabilities and Critical Technologies Office at Redstone Arsenal, AL.

LTC Hoak is finalizing his PhD dissertation in reactor engineering and design, specifically thermal nuclear propulsion, its design optimization, and the potential for magnetohydrodynamic hybridization. He holds a Master of Science in Nuclear Engineering from the Air Force Institute of Technology and a Master of Business Administration from Mississippi State University. He is a graduate of the Army Command and General Staff College, recipient of the Defense Meritorious Service Medal, Meritorious Service Medal (2), Air Medal, Army Accommodation Medal, and Army Achievement Medal (2), and he has complete Airborne, Air Assault, and SERE-C School.

Steven is passionate about STEM, specifically nuclear energy and nuclear technology applications in Space. He spends a lot of time thinking about the future of technology, energy supply and demand, and their implications on U.S. military operations and national security.