**Todd C. Hathaway**

**info@toddhathaway.com**

**404-973-8906 cell**

**Work Experience**

**Homeschooling Tutor, Potomac Sustainable Communities Initiative LLC 10/2016 – 9/2023**

* Providing accelerated academic instruction and advising to concurrently enrolled high school and college students in the United States and Mexico -- earliest college graduate is 16 years old

**Army Nuclear and Countering WMD (FA52) Officer, U.S. Army 3/2005 – 9/2016**

* Nuclear Research Officer at the Defense Threat Reduction Agency (DTRA) Basic and Applied Research Department
* Responsible for overall support to project managers with annual budgets totaling $36-50 million
* Facilitated and conducted ongoing outreach and CWMD exercises to inform research investments
* Co-authored planning scenarios for emerging threats to guide $500 million in future investments
* Initiated top-level risk and consequence analysis which was vital in identifying funding impacts
* Served as subject matter expert for nuclear weapon phenomena and consequence management research, as well as the lead for department outreach and technology transition
* Nuclear Research Officer at the Armed Forces Radiobiology Research Institute (AFRRI)
* Served as Chief of the Reactor Division and certified as Senior Reactor Operator responsible for the operation, training, and research design for a 1.1 megawatt TRIGA nuclear reactor
* Assigned as Training Officer responsible for the academic and practical training of reactor operations, safety, emergency management and nuclear theory
* Instrumental in ensuring that the reactor program met all mission requirements, resulting in a flawless performance on three Nuclear Regulatory Commission audits
* Established first-ever coordination between AFRRI and Joint Task Force Capital Medical personnel efforts in response to radiological casualties in the entire National Capital Region
* Interagency Integrations Officer at the DTRA Combating WMD Directorate and USSTRATCOM Center for Combating WMD

- Maintained situational awareness of OSD, Joint Staff, Combatant Command and interagency WMD related activities; developed relationships between government agencies and academia

- Supported USG efforts in nonproliferation, counterproliferation, and resilience management

- Utilized predictive analysis methodologies to develop recommendations for mitigating interagency conflicts, reducing vulnerabilities, and minimizing the global threat of WMDs

 **Naval Officer, U.S. Navy 9/1997 – 2/2005**

* Served as Officer Programs Officer (OPO) Department Head and Engineering Programs Officer

Recruiter, supervising up to twelve temporary/permanent military and civilian personnel

* Navy Recruiting District (NRD) Montgomery OPO Department rankings elevated from 31st to 2nd place nationwide; FY03-05 Nuclear Officer goals attained within a 20-month period
* Served one tour onboard USS SPRUANCE as Fire Control Officer, one tour as Executive Officer

at Military Sealift Command Office (MSCO) Port Canaveral, and one tour in Diego Garcia/Persian

Gulf as Squadron Engineering Readiness Officer and Joint Forces Liaison Officer

**Education / Training**

2017 **Master of Arts in Homeland Security**, American Military University

 \* Concentration in Counter-Terrorism Studies

2015 **Master of Arts in Intelligence Studies**, American Military University

 \* Concentration in Terrorism Studies

2014 Advanced Nuclear Weapons – Operations Certification, Defense Nuclear Weapons School

 Executive Program in Counter–Terrorism, CREATE/University of Southern California

2013 Macroeconomics/Microeconomics Courses, StraighterLine

 Value Engineering Course, Defense Acquisition University

2012 **Master of Science in Technology Management**, University of Maryland University College

OPSEC Analysis and Program Management Course (OPSE–2500)

 FEMA Continuity of Operations Awareness and Devolution Planning Courses

2011 **Master of Business Administration**, University of Maryland University College

 FEMA Independent Study Courses (NIMS, NRF, ICS – four courses total)

 HAM Radio Amateur Extra License (Call Sign W4EVQ)

2010 Medical Effects of Ionizing Radiation Course (also completed in 2005)

 Army Test & Evaluation Command (ATEC) Electromagnetic Pulse Course

2009 **Master of Science in Nuclear Engineering**, University of Maryland

2007 **Master of Science in Administration**, Central Michigan University

2006 Contracting Officer Representative Course, Management Concepts

2005 Six Sigma Master Black Belt Certification

1994 **Bachelor of Science in Metallurgical Engineering**, Iowa State University

**Publications and Documentaries**

Hathaway, T. (2018). *The Singularity.* Hot Springs, VA: Wonks Media.

Hathaway, T. (2017). *An Analysis of Policies and Strategies to Mitigate Critical Infrastructure Sector Vulnerabilities to Terrorism and Domestic Uprisings* (Master’s Thesis). American Military University, Charles Town, WV.

Hathaway, T. (2016). *No More Nukes! The Impact of “Event X” on Homeland Security and Global Denuclearization.* Hot Springs, VA: Wonks Media.

Hathaway, T. (2015). *Maximizing Geopolitical and Economic Resilience to ‘Invisible Hand’ Dynamics and Higher Order Nuclear Weapons Effects Following a 10 kT Nuclear Weapon Detonation in New York City* (Master’s Thesis). American Military University, Charles Town, WV.

Hathaway, T. (2014). *Maximizing Resilience During Periods of Geopolitical and Economic Instability* [PowerPoint slides]. Hot Springs, VA: Wonks Media.

Hathaway, T. (2012). *The Story of The America is the Story of America.* [Video file]. Hot Springs, VA: Wonks Media.

Hathaway, T. (2009). Opportunities for Higher Education in Nuclear Engineering at the University of Maryland, *Combating WMD Journal*, 4, 22-23.

Hathaway, T. (2009). The Zero Hour - Silver Bullets for Peace in the Middle East. *Combating WMD Journal*, 4, 18-21.

Hathaway, T. (2007). Liberating Our Dependence on Fossil Fuels by Supporting Advanced Energy Technologies. *Infinite Energy Magazine*, 75, 25.

Hathaway, T. (2007). The Potomac Energy Project. *Infinite Energy Magazine*, 76, 45.

Sheely, E., & Hathaway, T. (2005). Blue to FA52 – Two Success Stories. *NBC Report*, 4, 49-50.

Hathaway, T. (1996). A Study of the Grain Boundary Behavior of Nanocrystalline Ceramics. *United States Air Force Summer Research Program – 1996,* 8, 1-12.