

Application: 5197

John T. Hayden - Decorated Medical Simulation SME

Page: General Information

Provide information about the company to be considered for the award. If you will be nominating an individual, specify the nominee's employer.

Name of Organization/Company

MicroHealth, LLC

Additional Contacts

I do not wish to list additional contacts

Page: Entry Information

Entry Title

John T. Hayden - Decorated Medical Simulation SME

Category

P11. Employee of the Year - Healthcare Technology

Employee Nominee Submission Format

Written Answers

a. Briefly describe the nominated non-executive person's employer: the organization's history and past performance (up to 200 words). Required

At MicroHealth LLC, we're a small business making a big impact in the federal IT space. Our team of executives, technologists, researchers, and informaticists have spent decades delivering solutions and services for federal agencies and the Uniformed Services. We specialize in delivering IT solutions that span agile project management, advanced cybersecurity, innovative software development, infrastructure, data analytics, and medical simulation.

Through our cutting-edge medical simulation technology, we have facilitated realistic and immersive training experiences for military personnel, allowing them to hone their skills and decision-making abilities in a safe and controlled environment.

Specifically, MicroHealth has helped the US Army update current analog technology by:

- Overseeing the design, construction, and fielding of 14 training systems and the continued support to fielded training centers
- Designing, building, and tailoring a new MSTC at Fort Cavazos, TX, doubling the throughput capability and meeting this site's unique needs.
- Managing and integrating more than 1,000+ pieces of government equipment.
- Procuring and transporting material globally, resulting in zero loss of equipment.
- Providing training courses for site instructor/operator personnel.
- Running and maintaining the 24/7 simulation Help Desk supporting operators globally.
- Identifying \$283,000 in combined savings through technology quality and system support, logistics, and technology refreshes.

b. Outline the nominated non-executive employee's achievements since the beginning of 2022 that you wish to bring to the judges' attention (up to 250 words). Required

Imagine you're on your very first military mission overseas, where tension fills the air as the possibility of danger looms at every moment. Suddenly, the sound of gunfire fills the air as insurgents launch an unexpected attack, leaving you wounded, with your leg bleeding profusely.

The medic is helping others, but fortunately, your fellow Soldier underwent medical training at the Army's Medical Simulation Training Centers (MSTCs) before his first deployment. Despite the disorienting chaos and urgency of the moment, he jumps into action, drawing upon the experiences simulated (sights, smells, sounds) at the MSTCs. In that moment, his ability to apply what he learned in a real-life, high-stakes scenario makes all the difference in your survival.

Today MicroHealth's Medical Simulation team provides services ranging from technical refreshes or full installs at the MSTCs, developing prototypes for Special Forces, and using its software developers and engineers to design integrated solutions to meet emerging needs.

A key player on the team is John T. Hayden III, a retired U.S. Army Master Sergeant, who serves as a Medical Training and Simulation Deputy Program Manager at MicroHealth. His diverse background includes over nine years in Defense Acquisition with the Program Executive Office for Simulation, Training, and Instrumentation, and over 22 years of military service. John brings unparalleled expertise in training and mission management of both conventional and Special Operations Forces. His 14-year Special Forces Medic (MOS 18D) tenure has given him knowledge and skills in conventional and Special Operations medical practices.

c. Explain why the achievements you have highlighted are unique or significant. If possible compare the achievements to the performance of other employees or to other workers in your industry and/or to the nominee's past performance (up to 250 words). Required

Hayden's extensive background in trauma medicine and emergency response has been instrumental in preparing personnel for real-world situations.

Hayden is part of the team that travels to MSTC sites to prepare and deploy updated systems. While there, Hayden helps train operators on the new systems. MSTCs provide realistic medical training to Active, Reserve, and National Guard soldiers. Each site trains 2,500+ medical and non-medical soldiers using direct instruction and live simulation on the latest battle-field trauma and critical care techniques in a simulated high-stress environment. The MSTCs provide an invaluable opportunity for trainees to practice life-saving procedures, refine their teamwork, and enhance their overall readiness for real-world medical challenges.

Hayden also played a role when developing a special prototype for the Special Operation Forces, which have the unique requirement to perform prolonged field care for up to 72-hours. Hayden helped MicroHealth design and develop a command-and-control software suite to integrate medical training scenarios into the training environment. This allows instructors/operators to control environmental stressors such as strobe, sounds, scents, etc.

Hayden also played a key role in the development of a portable training simulation alternative that provides a quick, scalable, and cost-effective solution that is also portable. This empowers clients to overcome the limitations of fixed facilities and deliver an immersive training experience that aligns with the evolving needs of modern simulation training.

Throughout his tenure, Hayden has demonstrated an unwavering commitment to excellence, enhancing the effectiveness of our programs and improving outcomes for military personnel and their patients.

d. Reference any attachments of supporting materials throughout this nomination and how they provide evidence of the claims you have made in this nomination (up to 250 words). Optional

<https://www.microhealthllc.com/news/team-mhs-mixed-reality-simulation-shines-at-innovation-day/>

DESCRIPTION: Hayden and MicroHealth participated in the 2024 Innovation Harvest, which took place on July 18, 2024 at the University of Central Florida (UCF) Tech Grove, in partnership with the Defense Health Agency (DHA).

Innovation Harvest Day provided an invaluable opportunity for small businesses in Florida to showcase innovative solutions in medical modeling, simulation, and training that the DHA may not be aware of.

<https://www.microhealthllc.com/blog/medical-simulation-for-the-battlefield/>

DESCRIPTION: Hayden is also an author of blogs supporting the education of Tactical Combat Casualty Care and other enhancements to battlefield medicine.

Webpage Link

<https://www.microhealthllc.com/news/team-mhs-mixed-reality-simulation-shines-at-innovation-day/>
(<https://www.microhealthllc.com/news/team-mhs-mixed-reality-simulation-shines-at-innovation-day/>)

Would you like to add an additional webpage link?

Yes

Webpage Link 2

<https://www.microhealthllc.com/blog/medical-simulation-for-the-battlefield/>
(<https://www.microhealthllc.com/blog/medical-simulation-for-the-battlefield/>)

Would you like to add an additional webpage link?

Yes

Webpage Link 3

<https://www.microhealthllc.com/solutions/military-medical-simulation/>
(<https://www.microhealthllc.com/solutions/military-medical-simulation/>)

Would you like to add an additional webpage link?

Yes

Web Page Link 4

<https://www.microhealthllc.com/solutions/mobile-medical-solutions/> (<https://www.microhealthllc.com/solutions/mobile-medical-solutions/>)

Would you like to add an additional webpage link?

Yes

Web Page Link 5

<https://youtu.be/J5TDrjKkHLk> (<https://youtu.be/J5TDrjKkHLk>)

Would you like to add an additional webpage link?

Yes

Web Page Link 6

<https://youtu.be/1KQGNnc1YHY> (<https://youtu.be/1KQGNnc1YHY>)

Would you like to add an additional webpage link?

Yes

Web Page Link 7

<https://youtu.be/h-tG8kT6nYw> (<https://youtu.be/h-tG8kT6nYw>)

Would you like to add an additional webpage link?

Yes

Web Page Link 8

<https://youtu.be/LwNWMylwFX8> (<https://youtu.be/LwNWMylwFX8>)

Would you like to add an additional webpage link?

Yes

Web Page Link 9

<https://youtu.be/S3za56A42Ik> (<https://youtu.be/S3za56A42Ik>)

Would you like to add an additional webpage link?

Yes

Web Page Link 10

<https://www.microhealthllc.com/wp-content/uploads/pdfs/FactSheet-MSTCPDSSMicroHealth-1.pdf>
(<https://www.microhealthllc.com/wp-content/uploads/pdfs/FactSheet-MSTCPDSSMicroHealth-1.pdf>)

Supporting Document

No File Uploaded

Would you like to add an additional supporting document?

No

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Terms and Conditions

I Agree