

# Daniel E. Price, Jr

Cell: (301) 247-5719  
Los Angeles, CA

dan.tofu.price@gmail.com

## SUMMARY OF QUALIFICATIONS

Experienced System Integration Engineer at Virgin Hyperloop. Program Manager, Developmental Tester, Naval Officer, and Defense Acquisition Corps (DAC) Professional in the Defense & Aerospace Industry for 20 years. Experience leading geographically diverse, cross-functional teams in software and hardware development and acquisition. Proven success while testing, integrating, and commissioning complex systems-of-systems. Certified ScrumMaster with professional certifications in RDT&E, Systems Engineering, and Program Management.

## VIRGIN HYPERLOOP ACCOMPLISHMENTS

- Responsible for integration of High Voltage batteries to power a vehicle controlled by EM engines. Led development efforts with multiple teams and vendors - derivation of requirements for BMS firmware, acceptance and performance testing, and correction of hardware and software deficiencies.
- Recognized two system-level capability gaps and initiated multi-disciplinary recovery efforts. Drafted strategies, potential technical solutions, work estimates, schedules, and proposals to executives.
- Developed concept of operations, test objectives, and strategy for final 6Dof test phases and first flight of hyperloop vehicle. Led risk management efforts and found opportunities to reduce cost and schedule.

## U.S. NAVY ACCOMPLISHMENTS

<b>System Integration</b>	Managed engineering teams in the development and integration of critical capabilities for network-centric mission execution. As part of a significant redesign of interfaces on strike-fighter aircraft, led teams for multi-sensor data fusion, distributed tracking and targeting, and integration and interoperability of semi-autonomous weapons. During design, development, and test phases, used modeling, simulation and prototypes to evaluate and refine human-machine interfaces, machine-machine interfaces, algorithms, and network architectures. Reduced operator workload by ~20% and incorporated 35 new capabilities.
<b>Requirements Development</b>	Coordinated Navy, Air Force, and Army teams in drafting Modernized GPS User Equipment concepts and documents. Identified commonalities in requirements, leveraged existing hardware, and defined specifications for a tailorable software controller. Reduced expected development time by 50% with savings over \$67M.
<b>Problem Solving</b>	Led correction efforts with the vendor when software product failed to meet requirements. Documented anomalies, established milestones, addressed contract and Statement of Work issues, created schedule and budget management tools, implemented select Agile development concepts, and chaired technical and programmatic reviews. Resulted in on-time release with no significant increase in cost.
<b>Planning and Budgeting</b>	As Lead of rapidly growing and immature organization across geographically separated sites, established focus on improving planning, communication, and transparency. Created a Work Breakdown Structure, redefined roles and responsibilities, and instituted reporting processes (including design of software tools). Resulted in improved morale, an increase of annual work capacity by \$500K, and prevented expected budget cuts next fiscal year.
<b>Test &amp; Evaluation</b>	Eleven years evaluating overall experience relative to creative intent. Emphasized standardized, objective system characterization and verification and validation of specifications and requirements. Planned, executed, and reduced data of lab, ground, and flight test events. Led teams in identification and resolution of 12 “show-stopper” system anomalies found through static and dynamic data analysis. Wrote technical reports – presented results, conclusions, and recommendations to technical and non-technical senior executives on 4 major hardware/software upgrades, improving fleet of over 400 aircraft.

# Daniel E. Price, Jr

Cell: (301) 247-5719  
Orlando, FL

dan.tofu.price@gmail.com

## RELEVANT EXPERIENCE (Current and US Navy 1999 – 2019)

### System Integration Engineer, *Virgin Hyperloop*

May 2021 – Present

- Provides engineering expertise to deliver system-level capabilities. Focuses on developing and testing vehicle integration with the track, ground support equipment, and wayside communication system.
- Leads cross-functional teams for hardware and software integration and interoperability of components and subsystems. Includes hardware and software.
- Develops high-level guidance and Concept of Operations for the execution of program-wide activities.

### Founder and President, *Twice as Tall Integration*

Feb 2019 – May 2021

- Developed iOS applications to increase safety and readiness in military and commercial aviation through automation and seamless integration of the maintainer and aircrew roles.
- Submitted two technology accelerator proposals for Small Business Innovation Research programs.

### Attractions Attendant, *Universal Parks and Resorts*

Feb 2019 – Oct 2019

- Assisted Muggle Guests on a tour of The Bank of Gringotts; responsible for using practices and procedures, narratives, and storylines to safely operate the attraction for over 13,000 guests daily.
- Recognized with one guest positive, nine safety diamonds, and four “Say Its.”

### Senior Department Head, *Air Test and Evaluation Squadron 30*

Jun 2015 – Jan 2019

- Responsible for requirements derivation and system integration for 24 software and hardware product lines over \$220M, including new development and sustainment efforts. Oversaw lab and flight testing – final technical and safety review of test strategy, test plans, and deliverables prior to decision authority.
- Led strategic planning of international development efforts with three vendors for machine-learning in collaborative, networked electronic warfare. Involved in HMI, MMI, and data ontology design.
- Defined creative intent, established scope, and assisted research projects in the innovation and application of Virtual Reality, Augmented Reality, and Mixed Reality within training and mission planning environments.

### Systems Engineering Integration Team Lead, *NAWCWD/PMA-201*

Sep 2013 – Jun 2015

- Director of Systems Engineers for the six mission planning product teams for all US Navy air-to-ground weapons. Stressed standardized solutions for integration of systems, addressed obsolescence, drove commonality in HMI, and introduced new functionality within an evolving framework and hardware that changed every two years.
- Led datalink and communication standardization efforts for Network Enabled Weapons and respective mission planning systems. Established system and functional requirements and specifications. Ensured collaboration between multiple teams and vendors across “stove-piped” acquisition programs.

### Integrated Product Team Lead, *NAVAIR PMA-234*

Feb 2009 – Nov 2009

- Led organization responsible for developing, validating, and providing jamming techniques, tactics, and procedures through modeling, laboratory and flight experimentation, and real-world testing for Army, Navy, and Marine Corps aviation platforms.
- Scheduling, prioritization, budgeting, conflict resolution, contract management, technical review, and reporting responsibilities for four vendors, \$12.5M budget, and 100+ personnel.

## EDUCATION

MS in Aeronautical Engineering, Air Force Institute of Technology (Dec 2006)  
BS in Aeronautical and Astronautical Engineering, Purdue University (Dec 1998)  
Graduate Certificate in Systems Engineering, AFIT (Dec 2006)  
Graduate, United States Naval Test Pilot School (Class 130, Dec 2006)  
Lean Six Sigma Black Belt, NAVAIR Airspeed with Moresteam (Sep 2016)