

DAVID A. KANISS

SUMMARY: Dave Kaniss is a Systems Engineer, specializing in program management and integration. He has 10 years of experience developing complex/interdependent systems-of-systems. His primary design goal is ensuring that both the current and future needs of the user are identified and met, in a cost-effective/sustainable manner.

PROFESSIONAL EXPERIENCE

Systems Engineer; Department of Defense 2009-Present

- Define requirements from customer feedback, and ensure correct product is being designed. Provide deliverables that meet customers' current use cases, while still providing cost-effective flexibility for future capabilities. Design for reliability and sustainability, which includes minimizing long-term usage expenses.
- Manage development of collaborative management software designed for ease of use and future flexibility. Solicit feedback from end users to ensure maturity and usefulness.
- Manage development of critical technical documentation. Decreased turnaround time by 60%; incorporated 99% of backlogged content; and actively prevented additional backlog via a modernized process, focusing on collaboration and efficiency.
- Lead formal technical reviews and ensure appropriate technical experts have conducted a thorough review.
- Utilize rapid prototyping/manufacturing to develop and deploy high-priority capabilities.

KEY SKILLS

- Program Management
- Systems Engineering
- Systems Integration
- Test & Evaluation
- Technical Publications
- Process Improvement
- Configuration Management
- Modeling & Simulation
- Additive Manufacturing

EDUCATION

Naval Postgraduate School (NPS); Monterrey, CA

- **Certificate of Lead Systems Integration (LSI)** Mar 2017
- **Master of Science in Systems Engineering (MSSE)** Sep 2014
- **Certificate of Systems Engineering (SE)** Dec 2013

Capitol Technology University; Laurel, MD

- **Bachelor of Science in Electrical Engineering (BSEE), *summa cum laude*** Dec 2011

TIMOTHY R. KANISS

SUMMARY OF QUALIFICATIONS

Computer Scientist with 5 years in modelling and simulation, focused on interoperability and cyber test and evaluation. Extensive experience in cross-platform development with C++ and Qt. Familiar with distributed simulation protocols, software-defined radio.

PROFESSIONAL EXPERIENCE

Software Developer; Department of Defense 2014-Present

- Developed tools and supporting APIs that enable interoperability between independently-designed distributed simulations.
- Created automated test framework to verify syntactic and behavioral protocol compliance.
- Found and removed over 300 bugs in existing code, reducing end-user discrepancy reports by a factor of ten.
- Designed and implemented data visualization tools for conceptual design that introduced support for high-performance computing datasets over 1,000 times as large as previous solutions.
- Developed tools to simulate cyber attacks against embedded systems.

EDUCATION

Capitol Technology University; Laurel, MD

- **Bachelor of Science in Information Assurance (BSIA)**, *summa cum laude* Dec 2011

Old Dominion University; Norfolk, VA

- **Master of Science in Modelling and Simulation** Aug 2017

Naval Postgraduate School (NPS); Monterey, CA

- **Master of Science in Engineering Systems** Sep 2017