



McGroder Consulting

SOFTWARE, SYSTEMS, UX, & DESIGN SOLUTIONS

Capabilities Statement

McGroder Consulting provides innovative technology solutions through software, systems, UX, and design engineering services to its clients. McGroder Consulting uses the latest tools, techniques, and best practices for building well designed and integrated systems, software applications, and user experiences for its clients. The founder Dennis McGroder has over two decades of software engineering, systems engineering, and consulting experience. This includes Software Design & Development, Systems Integration, Project Management, and Business Systems Analysis in the defense, modeling & simulation, consulting, research, education, and health science industries.

Mr. McGroder holds a BS in Computer Science and Mathematics, an MS in Computer Graphics Technology for Biophysics, and an MBA, and has excelled in many capacities including Project Manager, Technical Lead, Defense M&S Analyst, Consultant, Business Systems Analyst, Systems Engineer, Software Engineer, and Computer Scientist.

The mission of McGroder Consulting is to provide innovative solutions for the improvement of federal, defense, education, and research organizations and their capabilities, dedicated to customer satisfaction, achievement, and growth.

Service Offerings | *Consulting services are offered in the following areas:*

- **Software Applications** | Software solutions, mobile app development, and proof-of-concept & prototyping services
- **Systems Integration** | System level design, architecture, and integration services
- **User Experience** | Graphic, web, training, and user interface design services

Portfolio | *Previous professional experience and employment includes contracts, projects, and work for the US Office of the Secretary of Defense, the US Navy, the US Army, defense industry firms, Roswell Park Cancer Institute, and Medaille College.*

- **Online Training Scenario for Homeland Security Degree Program** | Designed and developed a web-based training scenario for the Homeland Security Online Bachelor Degree Program's capstone course at Medaille College in Buffalo, NY. Teams of students ran the scenario in real-time over five weeks to complete their degree, which featured storm emergency response, terrorist, hazmat, and rail accident events that required role-playing and response actions.
- **Modeling & Simulation Strategic Planning & Development** | Consultant for DoD M&S Coordination Office (M&SCO), under the Office of the Secretary of Defense (OSD), with a focus on M&S data strategy development and aligning department wide M&S activity and development with DoD's Net-Centric Strategies.
- **Joint Command & Control System Programs** | Systems Engineering Consultant and Subject Matter Expert for Army PMO supporting Joint C2 Programs, in coordination with Defense Information Systems Agency (DISA). Supported C2 systems engineering, web services design, legacy C2 systems migration, Joint Mapping Toolkit capability, simulation-based capabilities, and prototyping for DoD's plans for operational web services.
- **Navy C4 Team Training System** | Technical Project Manager for development of CTTS, the first simulation-based training application released as an operational part of the Navy's Global Command and Control System-Maritime (GCCS-M) within the DoD's common operational environment.
- **3D Molecular Modeling for Cancer Research** | Systems Manager and Lead Designer-Developer for 3D molecular modeling and simulation applications and 3D-stereo visualization techniques for cancer research applications, supporting a group of eight research scientists at Roswell Park Cancer Institute.

McGroder Consulting LLC

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NAICS Codes

541511 Custom Computer Programming Services

541512 Computer Systems Design Services

541430 Graphic Design Services

541600 Management, Scientific, & Technical Consulting Services

518210 Data Processing, Hosting, & Related Services

519130 Internet Publishing & Broadcasting & Web Search Portals

611420 Computer Training

DUNS Number

078828544

CAGE Code

749F1

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