

ANTHONY (TONY) COWDEN

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Objective

To successfully tackle the next challenge...

Summary

A well-rounded and experienced senior practitioner, manager, teacher and leader, skilled in understanding complex problems, finding innovative solutions, and leading productive teams.

Skills

Strategy/Strategist

Formal designation as Strategist by the Navy; experience in strategy and policy assessment, development, planning, evaluation, execution, and instruction at the graduate level.

Business/Process Analysis

Experienced in understanding and documenting complex processes, and assessing, refining, improving, and executing process change.

Software Development

Successfully led numerous CMMI Level III software projects, from conception through fielding, familiar with ISO 9001; Agile (Scrum Master certified, some experience with Jira); authored every software life cycle document from requirements through design, interface, testing, help file, to user manual; human systems integration (HSI): developed software user interfaces for HP 9020, Unix/X-Windows, and MS Windows applications; experienced in developing both commercial products and R&D software; experience with modeling and simulation, gaming.

Product/Project Management

Conceived of, obtained funding for, and led design and development of Fuzzy Query™, a commercially-available database query tool. Turned an acoustic performance prediction software project into a product line.

Artificial Intelligence

Fuzzy logic, Fuzzy Systems Engineer, fuzzy expert systems, fuzzy knowledge discovery/data mining. Taught a lesson in fuzzy logic to graduate AI class; developed and offered certificate course in Fuzzy Logic/Fuzzy Systems.

Innovation

Principal Investigator for two government-funded Small Business Innovative Research (SBIR) projects for projects I conceived of. Developed innovative architecture for non-Web based file transfer

system. Conceived of database query tool that uses semantic query statements based on fuzzy sets.

Business Development

Proposal writer; project cost estimation, management and execution; project leadership

Board Experience

Non-profit Board of Directors member, Chair of Nominations Committee, member of By-laws and Development Committee. Formal training/certification in company direction from UK Institute of Directors.

Communications and Leadership

Direct report to senior executives (CEO and COO-equivalent), exceptional briefing skills. Team building; personnel assessment, organization and evaluation.

Education/Training

Stand-up instruction and classroom curriculum development in such diverse subjects as firefighting, underwater acoustics, sonars, fuzzy logic/artificial intelligence, software, and graduate-level international relations and national security decision-making.

Military

Surface Warfare Officer ("I drive ships"), Joint Qualified Officer (I can speak Army, Air Force, Marine and Coast Guard, too), leadership, Fleet operations, crisis response, war gaming (developer, facilitator, data collector). Active SECRET clearance, TS/SCI eligible. Experience in foreign relations, relationship building with partner nations and allies, and foreign military sales and training.

Maritime

Navigation, maintenance planning and execution, operations, damage control. Led HSI design effort for the bridge and shiphandling of Navy's USS Zumwalt-class of warship.

Author

The U.S. Naval Institute Almanac of the U.S. Navy (2005), *Fighting the Fleet: Operational Art and Modern Fleet Combat* (2021)

Experience

Chronological work experience can be found at [linkedin.com/in/anthony-cowden-4b0347](https://www.linkedin.com/in/anthony-cowden-4b0347)

Recent and relevant publications can be found at <http://stariconsultingservices.com/knowledge-base-2/>

Education

Certificate, Scrum Master

Certificate, Company Direction, Institute of Directors, London, UK

MA, National Security and Strategic Studies, US Naval War College

MS, Computer Science, University of New Haven

BA, History, University of Michigan