

LARRY MANNINGS

Technical Consultant

CONTACT:



lmannings@jklmdata.net



(401) 263-4664



PO Box 2378
Providence, RI, 02906

EDUCATION:

1998 BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Illinois Institute of Technology,
Chicago, IL

2007 MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Specialization: Integrated Circuits
University of Rhode Island, Kingston,
RI

2012 MASTER IN ENGINEERING ACOUSTICS

Naval Postgraduate School,
Monterey, CA

2022 MASTER OF SCIENCE IN SYSTEMS ENGINEERING

Specialization: Digital Engineering
Naval Postgraduate School,
Monterey, CA

EXPERTISE:

Strategic Planning
Systems Thinking
Data Analysis and Visualization
Technical Leadership
Technical Research and Writing

Summary:

I am an accomplished technical consultant with over 25 years of experience in systems and electrical engineering, specializing in undersea warfare and sonar systems. My expertise includes managing complex projects within the defense acquisition enterprise and working with classified systems and data. With a background as a Naval Officer, I am skilled in providing strategic leadership, technical consulting, and data analysis services. I help organizations, researchers, and journalists leverage their data to improve business performance, solve complex problems, and communicate evidence-based results. I am proficient in various programming languages and technical tools and am committed to continuous learning to stay at the forefront of digital engineering and data science.

Skills:

Operations Management

15 years of mid-grade Defense Acquisition project management experience involving classified systems and data; 6 years of management experience in Tactical Planning, Procurement, and Personnel Development.

Technical Management

18 years of Systems Engineering experience; Department of Defense Acquisition, Technology, and Logistics Engineering Level III (Advanced) certification.

Data Analysis

5 years experience in Digital Engineering and Operations Analysis; Advanced beginner proficient in R for data wrangling and visualization; Proficiency in probability and statistical inference.

Programming Languages and Tools

Python, R, Javascript, HTML, CSS, MATLAB, AnyLogic, Cameo Systems Modeler, Monterey Phoenix Behavior Modeling

Professional Experience:

Lead Technical Consultant

JKLM Data Analytics, Providence, RI (2025 - Present)

- Aids organizations, researchers, and journalists in using their data effectively to improve business performance and communicate evidence-based results.
- Supports strategic planning by assessing client needs and aligning with goals.
- Provides technical implementation services such as data collection & preparation, data modeling & analysis, and data visualization & reporting.
- Communicates technically complex findings in clear concise language.

LARRY MANNINGS

Technical Consultant

CONTACT:

 Imannings@jklmdata.net

 (401) 263-4664

 PO Box 2378
Providence, RI, 02906

EDUCATION:

1998 BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Illinois Institute of Technology,
Chicago, IL

2007 MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Specialization: Integrated Circuits
University of Rhode Island, Kingston,
RI

2012 MASTER IN ENGINEERING ACOUSTICS

Naval Postgraduate School,
Monterey, CA

2022 MASTER OF SCIENCE IN SYSTEMS ENGINEERING

Specialization: Digital Engineering
Naval Postgraduate School,
Monterey, CA

EXPERTISE:

Strategic Planning
Systems Thinking
Data Analysis and Visualization
Technical Leadership
Technical Research and Writing

Professional Experience:

Mission Engineer

Naval Undersea Warfare Center, Newport Division, RI (2019 - 2025)

- Ensured the overall success of Joint Service missions by integrating current and future undersea domain platforms and systems with operational tasks required for mission success.
- Provided Digital Engineering and Model Based Systems Engineering support to the conceptual design phase of the Next Generation Attack Submarine, SSN(X).
- Liaised with operational analysts to ensure that mission scenarios could be appropriately modeled and simulated to yield measurable results supporting stakeholder decisions.
- Applied critical thinking and effective communication skills to help facilitate collaboration and common understanding among diverse teams.

Senior Systems Engineer

Program Executive Office Integrated Weapon Systems (Undersea Systems),
Washington, D.C. (2017 - 2019)

- Provided technical and programmatic leadership to ensure that undersea warfare systems met performance and integration requirements throughout their lifecycles and across multiple surface platforms.

Lead Systems Engineer

Naval Undersea Warfare Center, Newport Division, RI (2009 - 2017)

- Managed a cross-functional product team in providing program oversight, systems engineering, certification, and production support for the AN/SQQ-89 A(V)15 Surface Ship Sonar System
- Ensured system compatibility with AEGIS Class Destroyer New Ship Construction.

In-Service Support Project Lead

Naval Undersea Warfare Center, Newport Division, RI (2007 - 2009)

- Managed the procurement and installation of a shipboard tactical equivalent system at NUWC's Land Based Integration Test Site (LBITS)
- Provided technical support to Fleet Maintenance Centers, including system installation, troubleshooting, and training for legacy AN/SQQ-89 Surface Ship Sonar variants

Teaching Assistant, Electrical Engineering Department

University of Rhode Island (2005 - 2007)

- Tutored students in Math and Physics, supervised laboratory sections, and assisted in teaching electrical engineering courses.

Surface Warfare Naval Officer

United States Navy (1998 - 2005)

LARRY MANNINGS

Technical Consultant

CONTACT:

 Imannings@jklmdata.net

 (401) 263-4664

 PO Box 2378
Providence, RI, 02906

SKILLS:

- Project Management
- Data Analysis
- Strategic Planning
- Team Leadership
- Communication
- Problem-Solving
- Critical Thinking
- Agile Methodology
- Active Listening
- Innovative Techniques

Continuous Learning / Certifications:

Harvard Data Science Professional Certificate

Introductory curriculum consisting of nine courses providing knowledge base and useful skills to tackle real-world data analysis challenges. In progress - Estimated completion date: Spring 2026.

Defense Digital Acquisition Modeling Workshop

Introduction to the world of Model Based Systems Engineering with a walkthrough on the development and transition of a new weapon system. Completed December 2025.

Georgia Tech Intermediate Systems Modeling Language (SysML)

Intermediate course that uses a sample problem to guide you in applying pattern-thinking via an open-ended SysML modeling experience. Completed July 2022.

Naval Postgraduate School Digital Engineering Certificate

Focused on the skills necessary to create, design, and execute digital models and to formally apply them to system development. Completed March 2022.

MIT Architecture and Systems Engineering Certificate

Four-course program designed for professional engineers to understand, analyze, and validate complex systems within a model-based systems engineering framework. Completed June 2020.

Publications:

2022

Masters Thesis: "Counter-UXS Energy and Operational Analysis"

2014

Capstone Report: "Audio Fingerprinting for Sound Recognition"

2007

Masters Thesis: "IC Implementation of Digital Filter for Sigma-Delta Modulator"

LARRY MANNINGS

Technical Consultant

CONTACT:

 Imannings@jklmdata.net

 (401) 263-4664

 PO Box 2378
Providence, RI, 02906

EDUCATION:

1998 BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Illinois Institute of Technology,
Chicago, IL

2007 MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Specialization: Integrated Circuits
University of Rhode Island, Kingston,
RI

2012 MASTER IN ENGINEERING ACOUSTICS

Naval Postgraduate School,
Monterey, CA

2022 MASTER OF SCIENCE IN SYSTEMS ENGINEERING

Specialization: Digital Engineering
Naval Postgraduate School,
Monterey, CA

EXPERTISE:

Strategic Planning
Systems Thinking
Data Analysis and Visualization
Technical Leadership
Technical Research and Writing

COVER LETTER:

Subject: Partnership Opportunity in Data Analytics & Technical Consulting

Dear [Client/Partner Name],

I am writing to introduce myself and JKLM Data Analytics, a technical consultancy I founded to help organizations, researchers, and journalists leverage their data to improve performance and communicate results. With a strong foundation in systems engineering and a 25-year career that includes distinguished service as a Naval Officer and as a lead engineer at the Naval Undersea Warfare Center, I bring a unique blend of strategic leadership and technical expertise.

My experience has been focused on solving complex problems within the defense acquisition enterprise, which includes managing projects involving classified systems and data. This background has given me a deep understanding of how to operate in highly secure environments and an unwavering commitment to handling confidential information with the utmost care. I specialize in translating intricate technical concepts into clear, actionable insights for diverse audiences and stakeholders.

At JKLM Data Analytics, I apply these skills to assist clients in a variety of areas. This includes assessing needs for strategic planning, providing technical implementation services for data collection and analysis, and developing clear data visualizations and reports. Whether you are looking to optimize business processes, conduct in-depth research, or present evidence-based findings to the public, my goal is to help you use your data effectively to achieve your objectives.

I am eager to discuss how my expertise can support your team and your goals. Please find my detailed CV attached for your review. Thank you for your time and consideration, and I look forward to the possibility of a fruitful collaboration.

Sincerely,

Larry Mannings
Lead Technical Consultant
JKLM Data Analytics

401.263.4664
Imannings@jklmdata.net
jklmdata.net

LARRY MANNINGS

Technical Consultant

CONTACT:



lmannings@jklmdata.net



(401) 263-4664



PO Box 2378
Providence, RI, 02906

SKILLS:

- Project Management
- Data Analysis
- Strategic Planning
- Team Leadership
- Communication
- Problem-Solving
- Critical Thinking
- Agile Methodology
- Active Listening
- Innovative Techniques

REFERENCES:

Christopher Kona

Position: Senior Warfare Analyst
Company: Naval Undersea Warfare Center, Newport Division
Email: christopher.t.kona.civ@us.navy.mil
Phone: (401) 832-7422

William Jankowski

Position: Technical Program Manager, Undersea Warfare Mission Engineering
Company: Naval Undersea Warfare Center, Newport Division
Email: william.l.jankowski.civ@us.navy.mil
Phone: (860) 271-3993

Jason Behling

Position: Chief Engineer, Expeditionary Warfare Mission Engineering
Company: Naval Surface Warfare Center, Crane Division
Email: jason.behling@gmail.com
Phone: (317) 709-0181

Douglas Van Bossuyt, PhD

Position: Microgrid Innovations Research Director
Company: Naval Postgraduate School
Email: douglas.vanbossuyt@nps.edu
Phone: (831) 656-7572

Warren Vaneman, PhD

Position: Professor of the Practice (Ret.), Systems Engineering Department
Company: Naval Postgraduate School
Email: warren.vaneman@outlook.com
Phone: (571) 364-5126

CDR John Bozeman, USN (Ret.)

Position: Naval Reserve Fleet Training Support Officer
Company: United States Navy
Email: boztel1@hotmail.com
Phone: (401) 480-8953