John Lingo

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DATA SCIENCE PROFESSIONAL

Over 15 years of experience in unearthing stories hidden in data and communicating those stories in a highly effective manner to all levels of an organization to improve business outcomes.

PROFESSIONAL EXPERIENCE

Engineering Manager   May 2008 – Present
Neubloc – Contract Engineering Organization   Oklahoma City, OK

Primary Client Liaison for Embedded Firmware Development Projects (current focus)
- Developed Machine Learning models (LSTM, KNN, Decision Tree, SVM) to support automation of client's firmware failure "triage" process – exceeded accuracy of client's human-driven process (see portfolio).
- Mined client data to accurately assess the costs of developing code at multiple worldwide development locations (representing both Neubloc and client teams) – demonstrated that Neubloc's development resources represent a highly cost-effective option for delivering the client's products (see portfolio).
- Created / delivered (to clients' upper management) presentations that conveyed the key contributions of Neubloc's domestic and European development teams in a vivid and accessible manner – these presentations led to Neubloc achieving significant organization growth (~5X overall) across multiple clients.

Manager – Performance and Reliability Features (earlier focus)
- Personally developed numerous data visualization tools (see portfolio) to provide firmware designers with insight into the causes of product performance issues, and to help designers connect those issues to specific areas of the product source code.
- Utilized these visualization tools to convey performance issues / fixes / enhancements to Neubloc's clients' management stakeholders in a meaningful and accessible manner, giving them the assurance that these issues were both fully understood and accurately addressed.

EDUCATION / TRAINING

IBM Professional Certification in Data Science (certificate)   August 2023

Bachelor of Science in Electrical Engineering   University of Oklahoma (GPA 4.0/4.0)
- Coursework included 24 credit hours of Computer Science and 31 credit hours of Mathematics (transcript)

KEY SKILLS / ATTRIBUTES

- Python programming for data acquisition (e.g., Selenium, JiraOne), processing (e.g., Pandas, NumPy, BeautifulSoup), visualization (e.g., Matplotlib, Seaborn, Folium, Plotly / Dash), and Machine Learning (e.g., Scikit-Learn, TensorFlow), SQL
- Microsoft Office toolchain (Outlook, Word, Excel, PowerPoint)
- Oral and written communication, including public speaking
- Perseverance and analytical insight
- Willingness and ability to learn