Northwest Mathematics

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UEI: WWDFNAR9X6H1

CAGE: 9V7M5

NAICS:
541690 (primary): Other scientific and technical consulting services

541511: Custom computer programming services

541715: R&D in the physical, engineering and life sciences

Company Overview

Northwest Mathematics is a technical consultancy specializing in state of the art applied mathematics and technical computing to help our customers meet their toughest challenges. Based in Oregon and with over 10 years experience delivering software and solutions across a range of fields, our goal is to serve our community in the Pacific Northwest with the highest levels of creativity, craftsmanship and professionalism.

Core Competencies

- Data modeling, analysis and visualization
- Scientific and technical software development
- Simulation and forecasting

Areas of Expertise

- Geospatial analytics, LiDAR, remote sensing data
- Machine learning
- High performance and parallel computing
- Statistical modeling and simulation
- Network analysis
- Multiscale and wavelet based methods

Past Performance

Our team has worked on a variety of projects in government and industry. Please see our website for further examples of our work:

- Modeling, analysis, and simulation of two-phase flow phenomena in nuclear power systems, NuScale Power LLC
- Research and development of real time dental scanning and imaging algorithms, Planmeca USA/E4D Technologies
- Analysis and modeling of blockchain data, Mycelium Ltd.
- Senior Research Scientist (Zach Gelbaum), Medema Labs Corp, Navy SBIR Phase 1, Topic: N202-117, Contract: N68335-21-C-0021
- Detroit Lake HAB Prediction Prototype Machine Learning Algorithm, (Zach Gelbaum for The Prediction Lab LLC) City of Salem, OR Agreement #189074
- Post Doctoral Researcher (Zach Gelbaum), DARPA YFA project N66001-17-1-4038