



Core Competencies

- Data Analytics using Python,
- Machine Learning algorithms, and R.
- Data Science and Engineering
- Research & Development
- Forecast and Prediction
- Data visualization
- Expertise in identifying patterns, trends, outliers, and abnormalities in the data.
- Computational modeling and simulations
- IT Professional Services

Key Differentiators

- Dedicated team with AI/ML expertise.
- In-house infrastructure for AI/ML model development.
- Extensive past performances with various Federal Organizations in the AI/ML area.
- Utilization of data analytics methods in the Additive Manufacturing process.
- Expertise in various Python packages, such as Scikit-learn, PyTorch, TensorFlow, pandas, etc.
- Molecular and multi-scale modeling software, such as LAMMPS, NAMD, etc.
- 8(A) certified by the Small Business Administration (SBA).
- On-Time Delivery & Cost-Efficient Projects.
- Expertise in data extraction from databases and data generation from real or theoretical/virtual models.
- Participating in the ESP Program under the Ohio Third Frontier by the Dayton Miami Valley Entrepreneur Center.

Industry Codes

NAICS

- 541715 (Primary)** Research and Development in The Physical, Engineering, And Life Sciences (Except Nanotechnology and Biotechnology).
- 511210** Software Publishers
- 518210** Data Processing, Hosting, And Related Services
- 541690** Other Scientific and Technical Consulting Services
- 541713** Research and Development in Nanotechnology
- 541714** Research and Development in Biotechnology
- 541519** (Except Nanobiotechnology) Other Computer Related Services
- 541990** All Other Professional, Scientific, and Technical Services
- 541330** Engineering Services
- 541511** Custom Computer Programming Services
- 511210** Software Publishers
- 561990** All Other Support Services

PSC

- AC11** National Defense R&D Services; Department of Defense - Military; Basic Research.
- AC32** National Defense R&D Services; Defense-related activities; Applied Research.
- AJ11** General Science and Technology R&D Services; General science and technology; Basic Research.
- AJ12** General Science and Technology R&D Services; General science and technology; Applied Research.
- AJ13** General Science & Technology R&D SVCS; General Science & Technology; Experimental Development.
- DB01** IT and Telecom - High Performance Computing (HPC) Support Services (Labor).
- R412** Support-Professional: Simulation.
- R425** Support- Professional: Engineering/- Technical.



Past Performance

Selected project works

(contact us for a complete list of Past Performances):



Agency: Navy

Period of Performance: 2023-2024

Scope: SBIR Phase I, developing machine learning models

Contract No.: N6833524C0124



Agency: Space Force

Period of Performance: 2023-2024

Scope: STTR Phase II, developing deep learning models

Contract No.: FA864923P1242



Agency: NASA

Period of Performance: 2023-2024

Scope: Dual Use Technology Development (developing deep learning models)

Contract No.: 80NSSC23M0021



Agency: Department of Energy

Place of Performance: Dayton, Ohio

Period of Performance: 2021 - 2022

Scope: Advising Services for SBIR phase



Agency: Air Force

Place of Performance: Dayton, Ohio

Period of Performance: 2018 - 2019

Scope: STTR Phase

Subcontract No.: S-136-040-003 (Prime

Contract Number: FA8650-17-D-5407

with Delivery Oder No

FA8650-18-15-5420 (TO 4))

Government Business POC

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Customers & Teaming Partners



Socio-Economic



Contracting Vehicle



Contract number:

47QTCA20D00F7

Category: Information

Technology

Professional Services