

UEI: X3EWW996V971
CAGE: 7Z3N5
DUNS: 080917447
GSA: 47QTCA20D00F7

Capability Statement



**Polaron
Analytics**

Polaron Technologies, Inc. (DBA: Polaron Analytics), based in Miamisburg, Ohio, is an SBA-certified 8(a) firm specializing in data analytics, computational modeling, and simulation since 2017. Over the past seven years, we have successfully supported government and non-government organizations across the United States, securing key contracts with the Air Force, Space Force, Navy, and the Department of Energy.

We take pride in delivering cutting-edge solutions that exceed project expectations by leveraging our proprietary data analytics software platforms and advanced machine learning algorithms to drive efficiency, accuracy, and innovation.

Our Expertise & Services

Polaron Technologies has expanded beyond data analytics and computational modeling to provide comprehensive Research & Development, Engineering, and IT services, including:

- Program Management
- Cybersecurity & Cyber Defense Operations
- Training & Workforce Development

At Polaron Technologies, our mission is to enhance productivity, optimize decision-making, and empower our clients through data science and engineering-driven solutions. We are committed to applying innovative technologies and expertise to advance government and commercial operations.

COMPANY INFORMATION

Polaron Technologies, Inc.

Head Quarters:

9059 Springboro Pike, Ste C
Miamisburg, OH 45342 5063

☎ 937-705-0611

✉ info@polaronanalytics.com

🌐 <https://www.polaronanalytics.com>

in <https://www.linkedin.com/company/polaron-analytics/>

National Capital Location:

2001 L Street N.W., Ste 500
Washington, DC 20036 4955

Established: 2017

EIN Number: 82 3036666

State of Incorporation: OHIO

Business type: Small

SBA Certification: 8(a)

Ownership and Self Certification:

- Other Minority Owned
- Small Disadvantaged Business
- Subcontinent Asian American

Geographic Area Served: All states across USA

Registered in Disaster Recovery Registry: Yes



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
- 8(A) certified by the Small Business Administration (SBA).
- On Time Delivery & Cost-Efficiency.
- 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.

Government Business POC

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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** Biotechnology (Except Nanobiotechnology)
- 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.

Customers & Teaming Partners



Past Performance

Selected project works

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



Agency: Department of Energy

Period of Performance: 2024 -2025

Scope: SBIR Phase I, developing machine learning models

Contract Number: DE -SC0025013 (prime)



Agency: Air Force

Period of Performance: 2024 -2025

Scope: SBIR Phase II, logistics data analysis

Contract Number: FA864924P0439 (sub)



Agency: Navy

Period of Performance: 2023 -2024

Scope: SBIR Phase I, developing machine learning models

Contract No.: N6833524C0124 (prime)



Agency: Space Force

Period of Performance: 2023 -2024

Scope: STTR Phase II, developing deep learning models

Contract No: FA864923P1242 (prime)



Agency: NASA

Period of Performance: 2023 -2024

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

Contract No.: 80NSSC23M0021 (prime)

Socio-Economic

Contracting Vehicle



GSA MAS

Contract number: 47QCA20D00F7

Category: IT Professional Services

SeaPort NxG

Contract number: N0017825D7696

Category: Engineering and Program Management Services

- Sole Sourcing
- Limited Competition
- Cuts through Federal Bureaucracy
- GSA Schedule Effectiveness

