DATUS

DEFENSE
SPACE
MEDICAL

Houston, Texas

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DUNS: 064875716
CAGE: 82TS5

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CAPABILITIES

Datus LLC offers efficient, cost-effective solutions for government clients.
We hold a combined 30 years of experience in medical, military and academic research. We cherish solving the nation's most challenging problems. Datus is also a WOSB-certified and economically disadvantaged company.

CORE COMPENTENCIES

- **Data:** Medical Analytics, Visualization, RF/SIGINT Signals Analysis
- **Modeling & Simulation:** Space & Geospatial Applications, Disease Risk
- **Software Development:** Cloud Services, Custom Tool Development, Integration Development, Data Pipelining
- **Cybersecurity:** SIEM Dashboards, Crytographic Analysis

RELEVANT EXPERIENCE

Defense

- Contractor for Lackland Airforce Base. Provided technical expertise for Network Intrusion Detection/Prevention/Analysis and Compliance Development to meet the Federal Government's business needs. Applied structured approach to detect, analyze, and neutralize malicious logic events. Tailored capabilities from established network monitoring frameworks (such as Bro and Wireshark) to maximize security posture for customers (October 2017 - May 2019; February 2021 - June 2022).

- Processed Radio Frequency COMINT Signals using both proprietary and self-developed software. Won individual cash award for facilitating software technology to solve open signals problem. Part of team that won prestigious team award for solving difficult cryptanalytic problems (February 2009 - January 2016).

Space

- Updated old SpaceNet maps with more detailed and current political boundaries. Examined codebase to better determine how to execute updates. Massaged data from newer maps into SpaceNet format using Python's geopandas module. Enhanced associated optimization toolkit by concocting relevant examples and including them in documentation. Collaborated with team members to ensure examples were relevant to mission (May 2023 - March 2024).

- Solved open research problem to simulate space satellite movements using coupled mathematical equations (February 2009 - January 2016).

Medicine

- Developed study designs and data analytic strategies from claims and electronic medical record databases. Developed programs to automate statistical modeling and analyses to support outcomes research & development of oncology therapeutic clinical trials (September 2022 - June 2024).

- Developed scripts to mine large data repositories and analyzed claims data for a healthcare company. Provided statistical analysis, allowing client to draw useful conclusions concerning medical decisions (May 2020 - September 2020).

- Implemented disease and treatment simulation risk model using a health record database to optimize anticancer therapeutic outcomes for a large pediatric hospital (May 2018 - May 2020).

NAICS: 541715, 541511, 541714, 541690, 561990, 621999

PSC: AC31,32, AR11,12, B524,529,537,538,539,541,544, DA01, DB01,02, R408,410,412

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