

FAIRFAX COUNTY, VIRGINIA

Industry Profile: Software, Cloud, & Data Analytics

Software, cloud, and data analytics technologies enable public-and private-sector enterprises to store and quickly extract value from large and complex data sets via data capture, discovery, analysis and visualization. This profile provides information on the regional resources to support data analytics firms, key industry verticals and selected companies that operate here.

TECH TALENT SNAPSHOT



234K

COMPUTER AND MATHEMATICAL WORKFORCE IN WASHINGTON, D.C., REGION

TALENT STRENGTHS:

SYSTEM SOFTWARE/INTEGRATION, APP AND WEBSITE DEVELOPMENT, USER EXPERIENCE, STATISTICS, OPERATIONS RESEARCH, DATA SCIENCE



130K+

MEDIAN WAGE WASHINGTON, D.C., MSA

ENTRY LEVEL: \$75K
EXPERIENCED: \$168K



#2

COMPUTER AND MATHEMATICAL WORKFORCE AMONG ALL METRO AREAS

FAIRFAX COUNTY IS ALSO ONE OF THE TOP 10 COUNTIES IN THE U.S. (OUT OF 3,100+) FOR COMPUTER AND MATHEMATICAL WORKFORCE



2X

MORE THAN TWICE THE CONCENTRATION OF COMPUTER SCIENCE AND MATHEMATICS WORKERS COMPARED TO U.S. AVERAGE

Sources: JOBSEQ, U.S. Bureau of Labor Statistics, Occupational Employment Survey, May 2024

INDUSTRY TALENT – WASHINGTON, D.C., REGION (SELECTED OCCUPATIONS)

Occupation	Number of Workers
Computer Occupations	
Computer and Information Research Scientists	3,150
Computer and Information Systems Managers	20,770
Computer Systems Analysts	17,720
Computer Network Architects	8,910
Computer User Support Specialists	17,710
Database Administrators	3,470
Software Developers	68,210
Software Quality Assurance Analysts and Testers	8,740
Web Developers	3,620
Web and Digital Interface Designers	2,610
Analytical Occupations	
Data Scientists	8,530
Market Research Analysts and Marketing Specialists	20,140
Operations Research Analysts	7,610
Statisticians	3,490

SOURCE: OCCUPATIONAL EMPLOYMENT STATISTICS, U.S. CENSUS BUREAU, MAY 2024
ADDITIONAL OCCUPATION, WAGE AND SALARY INFORMATION AVAILABLE UPON REQUEST

COMMUNITY ASSETS/STRENGTHS

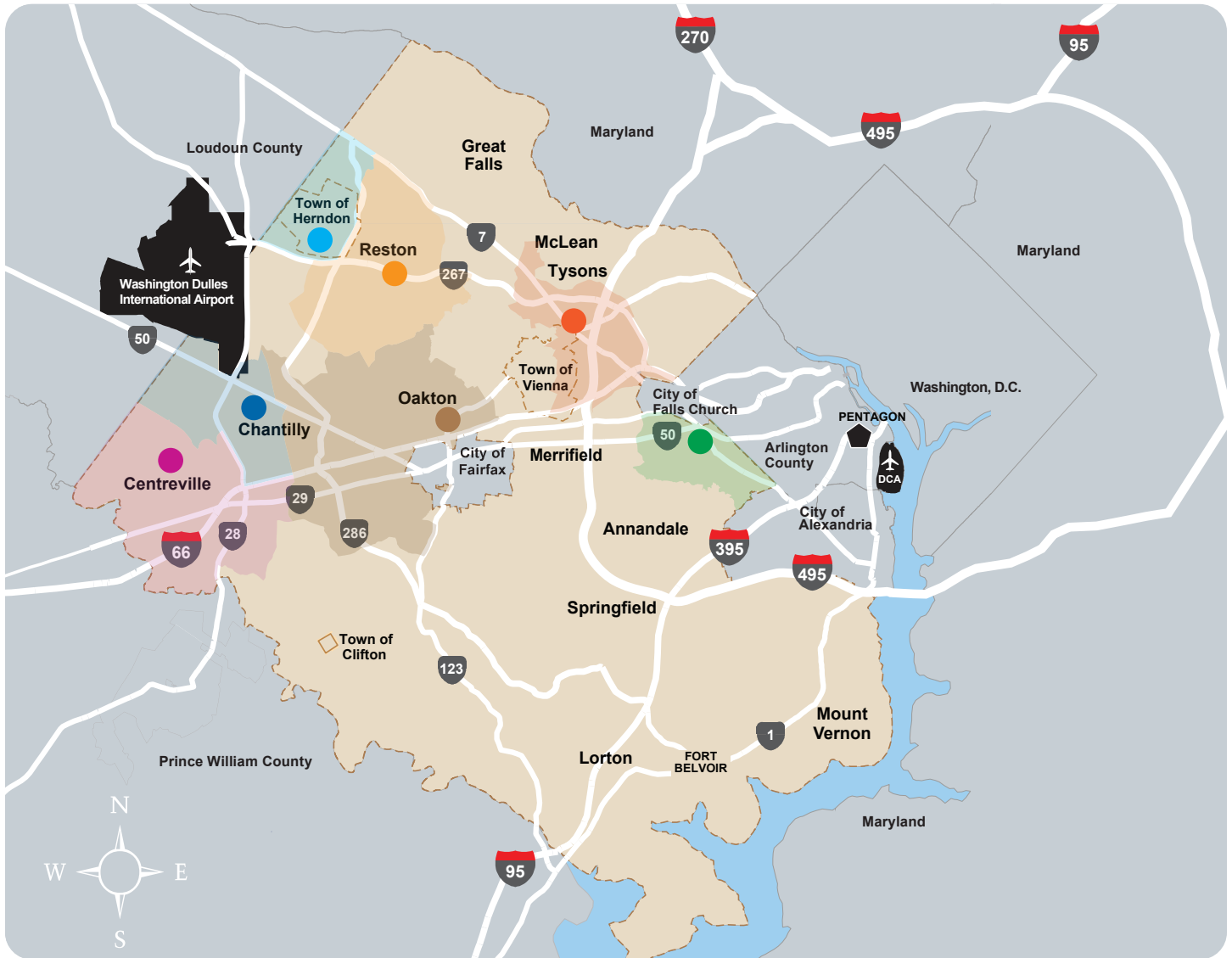
- 60+ regional colleges/universities and community colleges (all majors)
- 19K+ degrees and certificates awarded annually in data analytics-related computer and mathematical disciplines
- Close proximity to federal agency data producers and data privacy/data regulatory bodies
- Strong telecommunications network with the highest concentration of data center capacity in the world
- Innovation ecosystem: 10,000+ technology firms, research universities, VC firms and business incubators/accelerators

SOURCES: JOBSEQ, CUSHMAN & WAKEFIELD

KEY CUSTOMER AND INDUSTRY VERTICALS



SOFTWARE, CLOUD AND DATA ANALYTICS COMPANIES (HARDWARE/INFRASTRUCTURE/ANALYTICAL TOOLS AND INSIGHTS)



COMPANIES BY BUSINESS AREA AND SUB-SECTOR

● CENTREVILLE

BloomCatch ▲

● CHANTILLY

AT&T ■

BigBear.AI ◆

● FALLS CHURCH

Enabled Intelligence ◆

● HERNDON

Amazon Web Services ■

IBM ■

Lumen Technologies ■

● RESTON

Cloudpermit ▲

CoreSite ■

goCanvas ▲

Microsoft ▲ ■

Oracle ■

Qualtrics ▲

VMware ■

● TYSONS

Accenture Federal Services (Novetta) ◆

Advanced Technology Applications ◆

Altamira ◆

Appian ▲

Cloudera ■

Cvent ▲

Element Critical ■

insightsoftware ◆

JDSAT ◆

NetApp ■

NT Concepts ◆

Optensity ◆

Splunk ▲

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KEY:

◆ DATA ANALYTICS

▲ SOFTWARE

■ CLOUD INFRASTRUCTURE/HARDWARE
(STORAGE, SERVERS AND NETWORKS)