

DATA SCIENCE & DATA ANALYTICS



KEY SKILLS

- Analytical
- Attention to Detail
- Business
- Contextualization
- Database Software
- Pattern Recognition
- Research
- Statistics
- Technical
- Writing



CONCENTRATIONS/SPECIALIZATIONS

- Business Intelligence & Strategy
- Cloud & Distributed Computing
- Data Analytics
 - Market-Related
 - Operations-Related
 - Sector-Specific (Healthcare, Finance, etc)
- Data Engineering/Warehousing
- Data Mining & Statistical Analysis
- Data Visualization/Presentation
- Database Management & Architecture
- ML/Cognitive Computing Development



SAMPLE DEGREES

- Business Administration (Business Analytics) (BBA)
- Computer Science (Data Science) (BA, BS)
- Data Analytics (MS)
- Data Science (MS)
- Economics (BA, BS)
- Integrated Information Science & Technology (BPS)
- Statistics (BS, MS, PhD)



SAMPLE OCCUPATIONS

- Atmospheric Scientist
- Auditor
- Bioinformatics Scientist
- BI Analyst
- Clinical Data Manager
- Cognitive Developer
- Data Warehousing Specialist
- Database Administrator
- Decisions Analyst
- Enterprise Architect
- Epidemiologist
- Infrastructure Architect
- Marketing Researcher
- Operations Researcher
- Product Analyst
- Software Developer
- Statistician



POSSIBLE WORK SETTINGS

- Business/Company
- Consulting Firm
- Federal Government
- Financial Firm/Finance Company
- Hospital
- Marketing Firm
- Marketing Research Company
- Nonprofit Organization
- Software Developer
- Tech Company
- University/College



SAMPLE STUDENT ORGS

- 180 Degrees Consulting
- GW DATA Club
- GW Math & Stat Association
- GW Undergraduate Consulting Club
- Humanitarian Mapping Society
- International Council on Systems Engineering



SAMPLE EMPLOYERS

- Abbott Labs
- Accenture
- American Express
- American Institutes for Research
- Anthem
- Capital One
- Centers for Disease Control
- Cyber Coders
- Dell
- Deloitte
- Discover
- Dow Jones
- eBay
- eGlobalTech
- Environmental Protection Agency
- Excella Consulting
- Facebook
- Federal Aviation Administration
- General Electric (GE)
- Humana
- Hewlett-Packard
- IBM
- ICF Consulting Group
- JPMorgan
- Leidos
- Liberty Mutual
- Mathematica
- MDA Information Systems
- Noblis
- Oracle
- Parsons Corporation
- Praescent Analytics
- Randstad
- T-Mobile
- The George Washington University
- US Census Bureau



PROFESSIONAL ORGS

- American Statistical Association
- Data Science Association
- Digital Analytics Association
- Insights Association
- Institute for Operations Research & the Management Sciences (INFORMS)
- Marketing Research Association

