

Data & Visualization Career Services



NGA
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY



01

MultiMedia Specialist

Data & Visualization

01

RATINGS

Interactive storytelling



JavaScript chops



Interface & web design



Concept & data visualization



Motion graphics



DUTIES

Designs, develops & codes interactive features or animations for NGA's intelligence products; creates & integrates intuitive products for a multitude of customers – from intelligence analysts to our nation's top decision-makers

SPECIAL ABILITY

Uses special effects to multiply the power of the product

**“YOU WANT MORE THAN A JOB;
YOU WANT A MISSION”**



02

Data & Visualization
Visual Information Specialist

NGA⁺
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY

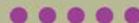
02

RATINGS

Adobe Creative Cloud



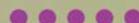
Data visualization



Graphic design



Cartography



Storytelling



DUTIES

Designs & creates story-driven information graphics used to illustrate data & convey complex concepts & topics; collaborates & engages with analysts to create graphics & maps that tell compelling 2D visual stories

SPECIAL ABILITY

Tells the story with accurate, predictive & visually stunning intel faster than a speeding bullet

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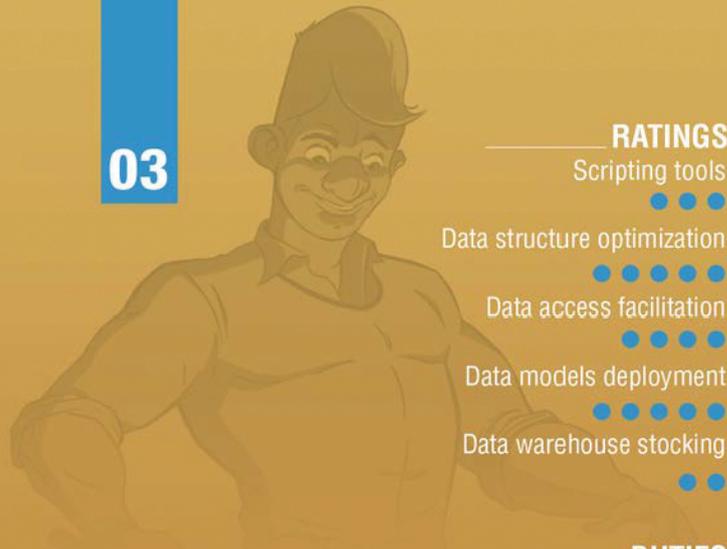
intelligencecareers.gov/nga



03 Data Engineer

Data & Visualization

03

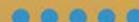


RATINGS

Scripting tools



Data structure optimization



Data access facilitation



Data models deployment



Data warehouse stocking



DUTIES

Designs data infrastructure & builds integrated data pipelines to transform & deliver data to the customer; stays on the cutting edge of emerging technologies to optimize data framework

SPECIAL ABILITY

Beams data into the data architecture

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04

Data & Visualization
Content Manager

04

RATINGS

Metadata tagging



Data discovery



Customer engagement



Knowledge management



Complex situation analysis



DUTIES

Ensures NGA's content – from geospatial data to unique datasets to image libraries – is discoverable & available to its diverse set of customers; works with a team of producers, consumers & IT developers to connect the customer with content & meet the customer's requirements

SPECIAL ABILITY

Teleports NGA content to a worldwide customer base

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05

Data & Visualization
User Experience Architect

05



RATINGS

Digital technologies



System thinking



Design principles



Prototype architect



Genuine curiosity & empathy



DUTIES

Applies user-centered design principles to enhance the end-to-end customer experience at NGA; specializes in research, development, & design & uses problem-solving skills to seek solutions that creatively align user needs & mission objectives

SPECIAL ABILITY

Predicts & answers the user's needs

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06

Data Scientist

Data & Visualization

06

RATINGS

Conveys findings



Writes in code (R, SQL, Python)



Customer collaboration



Analytic stats pro



Algorithmic moves



DUTIES

Uses quantitative & qualitative analytic methods to identify, collect, process & analyze large data sets; explores leading technology, mines & retrieves data, & provides innovative solutions to solve complex data challenges

SPECIAL ABILITY

Redefines the workplace by harnessing the power of computers

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07

Data & Visualization
Analytic Methodologist

07

RATINGS

Modeling & simulation



Stats analysis specialist



GIS guru



Data visualization



Analysis partner & teammate



DUTIES

Uses advanced quantitative & qualitative techniques to apply knowledge of analytic tools to enhance GEOINT analysis; provides in-depth, high-impact technical consultation, creating solutions to optimize GEOINT analysis & production

SPECIAL ABILITY

Wrangles unstructured GEOINT data to answer complex intel questions

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08

Data Analyst

Data & Visualization

08

RATINGS

Math maven



Adept analyzer



Data / stats demystifier



Insight oracle



Data trendsetter



DUTIES

Applies complex tools & algorithms to identify trends & patterns in data; identifies & collects structured & unstructured data from various sources, & evaluates & prepares the data for analysis; delivers new insights to fuel the decision-making process

SPECIAL ABILITY

Uses ingenuity & innovation to streamline data, revealing solutions to complex problems & driving decisions

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06 Data Steward

Data & Visualization

09

RATINGS

Data synchronizers



On-time customer delivery



Data security gatekeeping



Validation vectors



Web publishers



DUTIES

Manages the data within databases & warehouses; evaluates data quality, & determines data availability to support extraction, analysis & finishing of data; steers NGA data management strategy toward mission success

SPECIAL ABILITY

Protectors at the heart of data management, who reveal, extract & deliver data

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10

Data & Visualization
Adv. Visualization Specialist

10

RATINGS

3D animation & modeling



Intel illustrators



Maestros of Maya



Presents with precision



3ds Max-imizers



DUTIES

Designs, produces & finishes 3D animated & interactive intelligence; uses data extraction, image analysis & advanced computer software to create, develop & modify precision visualization products

SPECIAL ABILITY

Visionaries who transform data into an interactive & accurate story

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11

Data & Visualization
Model Maker

11

RATINGS

Woodworking



Material manipulator



CAD software



3D print masters



Painting & modeling techniques



DUTIES

Creates GEOINT-derived physical scale models in support of developing mission-critical technologies, operations & planning; creates models to clarify & convey facts, relationships & knowledge – to help diverse mindsets visualize a situation in the same way

SPECIAL ABILITY

With a flick of the paintbrush, creates detailed & precise models to help convey a scenario

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