

**Job ID** 00000278181

**Date posted** 09/29/2021

**Location** Vancouver, British Columbia; Richmond Hill, Ontario

**Company**

## Job Description

At Boeing, we innovate and collaborate to make the world a better place. From the seabed to outer space, you can contribute to work that matters with a company where diversity, equity and inclusion are shared values. We're committed to fostering an environment for every teammate that's welcoming, respectful and inclusive, with great opportunity for professional growth. Find your future with us.

Boeing Vancouver is seeking a **Data Scientist** reporting to the Manager of Data Science & Analytics working out of the **Vancouver, British Columbia** office. As a Boeing **Data Scientist**, you will apply data science solutions to the unique challenges of aviation and aerospace. You will work closely with customers, developing understanding of their problems, priorities and business needs, and you will embed digital intelligence into software products used throughout the maintenance, supply, engineering, and flight operations domains.

In particular, the **Data Scientist** will be responsible for developing and sustaining Boeing's machine-learning, statistics and other analytics components deployed in cloud applications. These applications support the Boeing Digital Solutions & Analytics portfolio of aerospace operations and maintenance digital products.

Boeing Vancouver houses an eclectic group of passionate data scientists who help customers by making sense out of big, complex systems in the world of aviation. We combine deep scientific thinking, mathematical prowess and analytics technology with creativity and detective work to uncover rare insights hidden within the data. We harness practical knowledge of engineering, business, and aviation to build customer solutions. Together, we deliver the power of understanding to change the world above and on the ground.

## Position Responsibilities:

- Participates in one or more cross-functional data science development teams supporting engineering, maintenance or flight operations applications
- Develops both ad hoc and production-level analytics tools using techniques such as:
  - machine learning, e.g.
    - clustering, unsupervised machine learning
    - logistic regressions, classifiers
    - time-series analyses
    - anomaly detection
    - language modeling, natural language processing & text analytics
  - statistical analysis
  - data visualization
  - mathematical optimization
  - simulation

- Conducts evaluation, validation and continuous performance monitoring of supported applications, models and analyses
- Communicates with customers to understand requirements and communicate deliverables/results
- Helps setup of data and modeling pipelines
- Champions culture of quality, learning, trust, and collaborative energy

**Employer will not sponsor applicants for employment visa status.**

**This position allows telecommuting. The selected candidate will be required to work onsite at the listed location.**

### **Basic Qualifications (Required Skills/Experience)**

- Prefer 3+ years' experience in Data Science or Data Engineering
- Must be proficient in Python (special emphasis on Pandas, sklearn, tensorflow) and SQL
- Must have experience in formal collaborative development environment and version control (e.g., Gitlab)
- Must have Post-Secondary Education
- Must be legally able to work in Canada

### **Preferred Qualifications (Desired Skills/Experience):**

- Candidate must consent to Canadian Government Controlled Goods Program (CGP) assessment. Individual must not pose a risk for safeguarding of controlled goods.
- Domain knowledge in the aviation & aerospace industry is an asset
- Cloud technologies (e.g, Azure, Google Cloud, AWS)
- Programming (e.g., Python, R, java)

### **Typical Education and Experience:**

Education/experience typically acquired through advanced technical education (e.g. Bachelor) and typically 5 or more years' related work experience or an equivalent combination of technical education and experience (e.g. PhD, Master+3 years' related work experience, 9 years' related work experience, etc.).

### **Relocation:**

- Relocation assistance is not a negotiable benefit for this position. Candidates must live in the immediate area or relocate at their own expense.

This requisition is for a, locally hired position in Canada. The employer is Boeing Canada. Candidates must be legally authorized to work in Canada. Benefits and pay are determined by Canada and are not on Boeing US-based payroll. This is not an expatriate assignment.

### **Experience Level**

Individual Contributor

### **Contingent Upon Program Award**

No, this position is not contingent upon program award

**Schedule**

Full time

Boeing is an Equal Opportunity Employer. Employment decisions are made without regard to race, color, religion, national origin, gender, sexual orientation, gender identity, age, physical or mental disability, genetic factors, military/veteran status or other characteristics protected by law.