Dylan S. Johnson M.Sc.

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DATA SCIENTIST / DATA ENGINEER / DATA ANALYST

Data-Driven, Creative Thinker & Analytical Problem Solver Simplifying Complexity with Big Data

- **Data Scientist with expertise in driving portfolio of project innovations using real-world scenarios.**

- **Leverage firm knowledge of analytics, AI, BI, and machine learning skills.** Proven ability to quickly assess complex problems via qualitative and quantitative data.

- **Collaborate with multidisciplinary teams to operate state-of-art technologies, forecast outcomes, and resolve challenging business issues.**

- **Develop and integrate data models to production for varying clients.** Create data visualizations, enabling users to link valuable insights to concrete actions. Facilitate information sharing, strategic planning, and team cooperation to achieve project goals.

Proficient in data query languages (SQL) and data scripting languages (Python). Fluent in: English, German.

ADDED VALUE:

Facilitated business workflow improvement efforts while meeting clients' business needs with trend identification and analysis.

Improved data dictionaries and data pipelines 30%—analyzed 500 tables with high-volume, complex data within quick timing.

Enhanced business operations, SEO ranking, and brand visibility.

Designed 5 innovative data models using disruptive technology.

Optimized purchase decisions via data analytics and forecasting.

Constructed and tested machine learning models.

Supported solution design for tackling organizational problems using Exploratory Data Analysis (EDA).

Areas of Expertise

Machine Learning ● Data Engineering ● Big Data Integration ● Automation ● Solution Design ● Project Management
Team Collaboration ● Innovation ● Data Product Lifecycle ● Data Analysis & Modelling ● Experimental Design ● Statistical Methods

Data Science Experience

DATA SCIENCE WORLD, Toronto, ON
Top-ranked data science consulting services provider to clients in various industries.

DATA SCIENCE CONSULTANT   2020 – Present

Contracted to manage data science consulting projects; support data strategies, data project integrations, and data skills development. Partner with clients to forecast and analyze supply and demand for optimal marketplace growth. Collaborate on challenging projects in groups. Engage in weekly client and team meetings to discuss key issues, track projects, and report results.

Designed several forward-thinking models that enabled innovative problem solving and sound decision-making.

- ▶ **Supported cloud-based eCommerce provider in creating demand forecasting model for new marketplace products within 14 days.**
  - **Interpreted 500 tables of complex data results and enabled sound marketing strategy execution.** Forecasted product demand. Extracted data from pgAdmin to consolidate tables via SQL and Python.
  - **Bolstered SEO rankings 30%.** Engaged in Exploratory Data Analysis (EDA) with dataset using Tableau and Power BI dashboards to visualize time series sales patterns and seasonality at category and office levels.

  > "Dylan did an amazing job in constructing a demand forecasting model and raising our SEO ranking for our latest products. He helped us increase my firm's brand visibility!"
  > – Don Watts, CEO, A1 Ecommerce

- ▶ **Addressed data quality issues and expanded data stewardship network for leading accounting firm by 40%.**
  - **Guided business partners in public sector to resolve complex issues by integrating 5 strategic and innovative ideas into sustainable action plans.** Devised data quality guidelines, communications, and adoption strategies.

- ▶ **Eliminated customer backlogs for small IT firm at least 25%** by understanding, preparing, and analyzing data to predict emerging trends and providing recommendations to optimize business results. Drew valuable insights from large data sets.

Data Science Consultant, Data Science World   … continued

Pushed boundaries of marketing AI, machine learning, and UX to tackle big problems alongside dynamic teams.

▸ **Improved data model performance framework for healthcare services firm by 30%.** Evaluated model accuracy output to identify critical issues. Engaged with business stakeholders in forming short- and long-term solutions.

▸ **Translated business needs into firm action plans for healthcare firm—built robust analytical plan and methodology for data models.**

- **Garnered 10 new insights and unleashed 3 specific analytics products** by leveraging machine learning and developing predictive models and visualization tools. Worked in 5-member team to meet project scope, timing, and budget.

> "Dylan is an expert in translating business needs into specific action plans. He offers a wealth of data science expertise to help the team understand and interpret complex information for efficient decision-making."
>
> – Carol Shaw, VP, Prime Healthcare Solutions

▸ **Created 3 models for fitness sector to analyze paid memberships.** Collaborated with stakeholders, data science experts, and developers.

- Developed deep understanding of internal/external users and identified how models could help solve their pain points.
- Partnered with key cross-departmental stakeholders to maintain technical product roadmaps, prioritized client requests, and facilitated business goal execution.

▸ **Maximized relevancy and conversion building of new pages.** Explored and modelled linguistic data derived from landing pages.

▸ **Enhanced user experience by at least 40%.** Interfaced with product and engineering teams to evaluate users' distinct values and needs.

Data Science Internship

Data Scientist Intern / Data Science Administrator – Global IT Vision, Toronto, ON   **2016 – 2020**
Leading information technology service provider supporting small, medium, and large businesses with contemporary solutions.

Contracted as data scientist intern, then quickly progressed to data science administrator. Processed big data, assessed data results, and communicated findings to management. Presented insights at local IT conference that earned positive feedback.

Spearheaded critical projects that improved efficiency and SEO-friendly practices while automating IT office.

▸ **Bolstered search engine optimization of website 25% while elevating customer base 20%.** Worked with experts to implement SEO-friendly practices and reconfigure content in alignment with needs of audience and key stakeholders.

▸ **Shaved office downtime by 25%—transformed IT office environment through automation and data modelling.** Partnered with various departments to identify IT needs and requirements, while resolving gaps for peak performance.

▸ **Increased efficiency 45%—revamped manual and electronic data files while streamlining processes as part of 2-month project.**

Education & Professional Development

Applied Data Science & Big Data Diploma – Data Science Professional Academy of Mississauga (2021)
Master of Science, Data Science – University of Guelph (2013–2016) | *High Distinction*
Bachelor of Science, Physics – University of Toronto (2011–2013) | *Distinction*

As Research Assistant position at University of Toronto (2011–2012), trained and mentored new students to apply data analytics expertise with laboratory experiments. Conducted poster presentation at annual physics conference; later published.

Professional Affiliations

Team Lead / Member – Canadian Data Science Association, Toronto, ON
Active Member – National Data Science Association, Mississauga, ON

Strategy Statement

Dylan Johnson is well-prepared to tackle his next career move towards a higher-level role as he is working in a contract position. He has been preparing for this career transition to data science upon completing his bachelor's degree in physics and progressing onto a master-level data science program. Dylan then pursued a more specialized data science diploma program, which opened him up to wider networks and further honed his expertise. For quite some time, he has witnessed many opportunities opening up in the innovative data science field. So, he wanted to utilize his research expertise and data analytics knowledge and experience where he could help stakeholders understand big data, solve complex business issues, and foster sound decisions for competitive advantage.

The summary profile section below highlights his focus and value, aligning his expertise with the position applied for. His selected milestones reflect his data science related abilities. Relevant keywords are featured that represent the candidate's areas of expertise and align with the skill sets of the data scientist / data engineering field.

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The accomplishments for each role are effectively broken down—leading with results, then outlining the strategies used to overcome challenges. Dylan's accomplishments stand out with support from highly credible testimonials by managers. The design and colours appropriately capture the critical information.

Dylan was quite pleased with his résumé as employers and recruiters are looking to hire a creative-thinking data science consultant with a proven ability to deliver concrete solutions within a quick turnaround time.