

## Data Scientist at Orchestrated *(March 2018)*

- Permanent full time
- Cutting-edge data science and analytics focus area
- Small team environment

A Data Scientist is required for research and development to apply Artificial Intelligence and Machine Learning algorithms to problems in psychology and organisational behaviour within our Software-as-a-Service application suite.

You would be Orchestrated's first data scientist. We want to be up-front that this is a new journey for us, and that we believe we have a compelling position for the right person. This is also our first job description for the role - we welcome your feedback on improving it!

This opportunity would suit a modern data savvy individual who thrives on having a true business impact. You will work with AI/ML Engineers to design, develop and implement analytical solutions that typically involve a combination of analytical, process and business transformation outcomes.

In comparison with an AI & ML engineer, this role focuses on inquiry into customer questions around their data. We foresee it as being heavily hypothesis and experiment driven, with a subset of outcomes chosen for productization with the assistance of the engineers on the team.

This is a fast moving field, you'll stay current with industry developments and we'll support you in doing so.

### Responsibilities

We seek your expertise to:

- Utilise tools to perform descriptive analytics, extracting insights from large and complex datasets
- Select and configure analytics toolsets
- Design, develop and implement optimisation algorithms and solutions
- Design, develop and implement predictive analytics models
- Extract, transform and link data from internal and external sources to build normalised datasets for experiments and benchmarking
- Automate data extraction, transformation and analysis tasks
- Build data models and algorithms to provide insights to our customers and internal stakeholders from the data collected in the platform
- Apply visual analysis techniques and toolsets to extract patterns and meaning from data
- Work with stakeholders to understand challenges, form hypothesis, and iteratively test them: collect required data, analyse experimental results, propose improvements, follow through to test and evaluate.

## Key to Being Successful

You'll likely do well with:

- Bachelor, Masters or PhD in Artificial Intelligence, Mathematics, Statistics, Econometrics, Actuarial Studies, Data Science, Computer Science
- Experience in a prior Data Science role
- Experience in the commercial application of statistical and analytical skills
- A sound understanding of digital and cognitive technologies and analytics, information management and business process based solutions
- Experience with verification of models, data modelling and predictive modelling
- Ability to perform exploratory data analysis for proof of concepts
- Experience with a range of languages/tools/datastores (such as R, Python, Pig, Hive, Impala, Hadoop, Tableau, etc.)
- Experience with AI/Deep Learning libraries/platforms/services, such as TensorFlow, Cognitive Services, Watson, and other open source options

Bonus skills that would help, recognizing that nobody will have all of this!

- Software development - we predominantly work in NodeJS & Java, but focus on skills and approach much more than specific languages
- Knowledge of SQL exposure
- Deep exposure to solving business problems through the use of Data Science
- To not be afraid of experimental failure; hypotheses don't often check out.
- Extracting 'Customer Insights' from large and complex datasets relating to; customer strategy (acquisition, retention & growth), statistical modelling, marketing campaigns or credit risk analysis, etc.
- Projects that transform the way organisations engage and optimise experience for large customer bases.
- Map out Industry clients' complex customer, project, people and funding strategies to be optimised through Data Science and Machine Learning techniques.
- Leverage strong programming skills in Python, R or NodeJS to manage, manipulate and model large volumes of customer data to extract and deliver strategic insights and recommendations.

## Orchestrated Values

- Collaborate to continuously deliver Customer value
- Passionate about software engineering and digital transformation
- Continually learn and share your learnings
- Work without blame and challenge the status quo
- Chose facetime first