Prudential Data Science & Artificial Intelligence Recruitment

Job Description – Associate Data Scientist

We are looking for talented individuals to join our team in Asia - people with an empiricist attitude towards data, with mathematical intuition, curiosity, a positive outlook, a passion for our profession and who have worked on real data problems. You will be an integral part of the Regional Analytic & Artificial Intelligence Centre-of-Excellence with opportunity to travel to our local business units in Asia.

We offer access to a comprehensive range of training and development opportunities, competitive remuneration packages and excellent benefits.

Startup atmosphere within a global MNC. Role located in a new office in Quarry Bay, Hong Kong.

If you are interested to apply for this role, please send us your resume via LinkedIn https://www.linkedin.com/jobs/cap/view/588096648/?pathWildcard=588096648&trk=job_capjs or email to pca.hr.resourcing@prudential.com.hk.

About the Organisation

Prudential Corporation Asia ("PCA") is a business unit of Prudential plc (United Kingdom), an international financial services group listed on the stock exchanges in London, Hong Kong, Singapore and New York.

PCA has leading insurance and asset management operations across 14 markets in the region. It has a robust multi-channel distribution platform providing a diverse range of solutions to meet the long-term life insurance needs of customers in Asia. Its asset management business, Eastspring Investments, one of the largest asset managers in Asia, provides investment solutions across a broad range of asset classes and was recently named Asia Fund House of the Year by AsianInvestor. It is headquartered in Hong Kong.

Every day millions of people put their trust in Prudential. We see that as a privilege. We have earned our reputation as an industry leader and our people are finding their work more rewarding and meaningful every day. We invest in and care about our people.

For more information please visit www.prudentialcorporation-asia.com.

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Role Purpose

Our Data Science & Artificial Intelligence teams produce state-of-the-art machine learning models. In addition to pure model-building, we add predictive capabilities to the applications we develop.

We are now looking to accelerate our progress in this area via creation of a Regional Analytic and Artificial Intelligence and Analytic "Center of Excellence" (C.O.E.) to coordinate data and analytic R&D across our Asian BUs. This C.O.E. will integrate AI and machine learning algorithms into software applications to enable to drive dramatic improvements in operational efficiencies while delivering a best-in-class experience with all stakeholders – including not only customers and agents, but partners, employees, regulators, -vendors, VCs, FinTech start-ups and indeed the entire Customer Experience Ecosystem.

Currently, our Data Science and AI teams are:

- Deploying customer service chatbots in a variety of Asian languages
- Deploying AI algorithms for the automated recognition of handwritten Chinese
- Building a Next Best Action recommender to drive agent productivity across Asia
- Identifying fraud, waste and abuse in healthcare claims in Indonesia and Hong Kong
- Designing an integration digital financial management pilot that will combine the best aspects of our traditional agency distribution with Robo-advisory and digital self-service features
- Planning a new business model for digital marketing to non-bank digital partners across S.E. Asia

Your Role

- Apply machine learning techniques to deliver actionable insights from large-scale, multi-structured datasets.
- Work unsupervised with internal and external teams to respond to business requirements.
- End-to-end responsibility for model development, including data exploration, training data, feature extraction and model development, validation and scoring.
- Convincingly communicate with our stakeholders at all levels, including pairing with other Data Scientists.

Skills & Capabilities

- Machine Learning: Strong background in at least one specific machine learning area.
- Coding: Excellent skills in at least one procedural language (for instance, but not limited to Python or similar). Specific machine learning experiences in these languages must be listed. Comfortable with command-line tools.
- Real-life experience with the tools of the Hadoop ecosystem is a plus.
- Experience with large-scale model deployment is a plus.
- Deep learning experience using one of the most popular frameworks is a plus.

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What we are <u>not</u> looking for in this role

- Experience in stand-alone packages such as SAS, SPSS, Cognos.
- BI, business analysis, data engineering, ETL, analytics or visualisation experts without actual machine learning experience.
- Programmers without a data track record. Data people without a programming track record.

Qualifications:

Experience

- Recognised qualifications in a core quantitative subject at Masters or PhD level.
- At least 1-2 years of real world experience working as a Data Scientist.
- Insurance data science experience is a plus.
- Excellent English language skill (both spoken and written) is essential. Asian language skills would be highly desirable, but not essential.

Business Savvy

- Able to communicate with non-technical business stakeholders.
- Focused on delivering value rather than technical know-how.

Personal Qualities

- Inherently curious about data.
- Team-oriented and collaborative nature, while also able to work in a self-directed and self-motivated manner. Ability to work side-by-side all day.
- Business-oriented with a proactive focus on collaborative problem-solving.
- Desire to learn and to grow personally and professionally paired with the capability to think beyond the here and now.
- Capable of working in an enterprise environment.
- Willing and able to travel.

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