Advisory – FSO – Advanced Analytics

EY is the only professional services firm with a separate business unit ("FSO") that is dedicated to the financial services marketplace. Our FSO teams have been at the forefront of every event that has reshaped and redefined the financial services industry. If you have a passion for rallying together to solve the most complex challenges in the financial services industry, come join our dynamic FSO team!

The business problems our clients are facing today are not the same problems they have faced in the past. The rapid pace of development in AI and the technology that enables it has created an urgent need to innovate and adapt to the new global business paradigm. Financial institutions are looking to build smarter and more efficient ways to operate their business, create new revenue streams, and better manage risk, through new opportunities uncovered by their data. We believe that to fully unlock the potential of AI and advanced analytics we need to look not only at the application of AI, but also at the strategy level for how best to transform the enterprise into one that is technology and data focused and ready for the new age. Our clients’ problems are becoming increasingly complex while at the same time the need to automate and streamline is rising.

The opportunity

As a member of the Advanced Analytics team, we’ll look to you to provide our clients with a unique business perspective on how data science and analytics can transform and improve their entire organization - starting with key business issues they face. This is a high growth, high visibility area with plenty of opportunities to enhance your skillset and build your career. We provide constant room for growth through client engagements and personal development. Our practitioners develop and lead innovative techniques and methods, supporting both business and technology leaders. This role provides the unique opportunity to build a professional network, tackle complex issues, and drive cutting edge approaches across industry leading clients and domains. You will help our clients navigate the complex world of modern data science and analytics.

What to expect

You’ll be working with a newly created team in truly uncharted territory. You will apply your knowledge and experience to support the delivery of key projects, build valuable relationships both within EY and with clients, and develop strong capabilities through both formal training and working with senior mentors and talented colleagues.

You’ll spend most of your time working with a wide variety of clients to help with designing advanced analytics solutions, undertaking proof-of-concepts, and implementing these solutions to help clients to compete effectively in this dynamic environment.

Your key responsibilities

- Applying data mining, machine learning, and statistical analysis techniques like hypothesis testing, segmentation and modelling to analyze large amounts of data
- Helping our clients make data-driven decisions by working with structured and unstructured data sets, building out predictive models and advising our clients on data mining leading practices
- Building and applying data analysis algorithms (data mining, statistics, machine learning, natural language processing, sentiment analysis, text mining, etc.) as appropriate
- Designing, architecting and developing solutions leveraging big data technology (Hadoop, Cassandra, Spark, Neo4j) to ingest, process and analyze large, disparate data sets to exceed business requirements
- Unifying, enriching and analyzing customer data to derive new insights and opportunities
- Leveraging in-house data platforms as needed and recommending and building new data platforms/solutions as required to exceed business requirements
- Clearly communicating findings, recommendations and opportunities to improve data systems and solutions
- Demonstrating deep understanding of and ability to teach data science, concepts, tools, features, functions and benefits of different approaches to apply them

To qualify for the role you’ll need
• An MSc or PhD in a technical field like Computer Science, Mathematics, Computer Engineering, or a related field
• Practical experience with advanced machine learning techniques and big data technologies
• An understanding of the latest industry developments in Big Data and AI such as graph databases, Natural Language Processing, and neural networks
• A thorough understanding of R, C, Java or Python programming languages and associated machine learning libraries/packages
• Experience in multiple tools/language/frameworks within the Big Data & cloud ecosystem (Hadoop, MongoDB, Neo4j, Spark, Hive, Hbase, Cassandra, etc.)
• Excellent business, communication and presentation skills
• The confidence to build lasting relationships with clients and influence decisions at all levels
• The ability to translate complex information into non-technical, easy to understand language
• A driver’s license valid in the U.S.

Ideally, you’ll also have

• A deep understanding of big data platforms and working with both batch and streaming data
• A proven track record of applying school learning to personal life and hobbies like participating in Kaggle competitions, building trading algorithms, doing personal coding projects, etc.
• Experience with the various cloud platforms (AWS, Google Cloud, Microsoft Azure, IBM Bluemix)
• Experience with Deep Learning frameworks (Tensorflow, Keras, CNTK, Café, Torch, or Theano)

What we look for
This is a well-rounded, technical and consulting role, so we’re most interested in intellectually curious people with an entrepreneurial spirit and a genuine desire to influence entire industries. You’ll need great analytical, strategic and communication skills, as well as the ability to handle new responsibilities as we evolve. If you’re ready to own complex projects and bring new perspectives to a constantly evolving team, this role is for you.

What working at EY offers
We offer a competitive compensation package where you’ll be rewarded based on your performance and recognized for the value you bring to our business. In addition, our Total Rewards package includes medical and dental coverage, both pension and 401(k) plans, a minimum of three weeks of vacation plus 10 observed holidays and three paid personal days, and a range of programs and benefits designed to support your physical, financial and social wellbeing.

Plus, we offer

• Support, coaching and feedback from some of the best colleagues around
• Opportunities to develop new skills and progress your career
• The freedom and flexibility to handle your role in a way that’s right for you
• A rewards package tailored to your unique needs

About EY
As a global leader in assurance, tax, transaction and advisory services, we’re using the finance products, expertise and systems we’ve developed to build a better working world. That starts with a culture that believes in giving you the training, opportunities and creative freedom to make things better. Whenever you join, however long you stay, the exceptional EY experience lasts a lifetime. And with a commitment to hiring and developing the most passionate people, we’ll make our ambition to be the best employer by 2020 a reality.

If you can confidently demonstrate that you meet the criteria above, please contact us as soon as possible.

Join us in building a better working world. Apply today.