Slava Spirin

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Skills

Advances skills: Python (pandas, numpy, scikit-learn, keras, SpaCy, NLTK, seaborn, matplotlib, SciPy, flask), Cloud Services (AWS, GCP), R, SQL, NoSQL, Tableau, VBA, Git, Unix, Statistical Modeling, Sequence Data, Machine Learning, Deep Learning, NLP, Computer Vision
Experience with: Java, JavaScript, Scala, MATLAB, Spark, Hadoop, SAS, Bloomberg Terminal

Professional Experience

Data Science Contractor - ArimaData   Sep 2019 - Present
- Used recent advances in Deep Learning, with a focus on NLP, to generate synthetic datasets of customers to enable businesses to quickly augment their existing customer data and train better predictive models
- Utilized our synthetic datasets as the basis of a customer segmentation analysis for a client of Arima, which ultimately allowed the client to reduce their targeted ad spend by 17% year-over-year while maintaining the same level of revenue
- Designed interactive dashboards in Tableau to give clients greater flexibility and capacity in managing, refining and executing Big Data queries

Actuarial Consultant & Data Scientist - msg Global Solutions   July 2018 – Present
- Designed business models and complex simulations by providing SAP Profitability and Performance Management and SAP Analytics Cloud solutions for clients from Banking and Manufacturing industries
- Worked with a client to implement a revenue prediction model by integrating preselected features (human and historical data), autoregressive models, and deep neural nets (RNNs), ultimately succeeding in predicting future revenue to 95% accuracy
- Successfully delivered $1M and $2.6M implementations for Alberta Treasury Bank and Pratt & Whitney Canada respectively. Partook in numerous demos and POCs

Credit Analyst, Investment Lending - Laurentian Bank   Jan 2017 – June 2018
- Evaluated the credit risk of 500+ high-net-worth clients to assess the safe level of credit to allow them to invest on margin into various investment products (e.g., Segregated Funds and Mutual Funds)
- Successfully performed analysis for individuals as well as small, privately held companies that, as of July 2018, led to a total increase of $6B for their personal loan portfolio
- Developed a credit model in Python/VBA that automated a large part of the decision process workflow, reducing human error by 15% and increasing decision accuracy (resulted in receiving "The Best of 2017 RRSP Season" award from the bank)

Business Analyst - Aquamobile Inc.   Jan 2015 - Nov 2016
- Created an interactive dashboard for monthly forecasting and budgeting by developing spreadsheets using SQL + Excel VBA, which generated marketing/financial reports. The dashboard reduced the time required to generate reports by 90%
- Led a 3-person market research team to produce a marketing campaign that increased company revenue by 14% year-over-year
- Increased landing page creation efficiency 16X by automating the content creation process using Excel VBA, HTML and Java. Created 5000 landing pages automatically by running the software on multiple servers concurrently

Education

Data Science Diploma	BrainStation, Toronto 2019
CFA Level II Candidate	CFA Institute, Toronto 2018
CSC	CSI, Toronto 2016
Postgraduate in Business Management	George Brown College, Toronto 2015
BA in Finance and Economics	Lomonosov Moscow State University, Moscow 2014