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JONATHAN LAMBERTS

EXPERIENCE

Data Science Consultant
Axis Group, 2017 - Present

- Acquire and preprocess data; Build, evaluate, and tune ML models, and deploy to production
- Understand client needs and work with them to determine what approach is appropriate
- Interpret and explain results of analysis and/or predictions to non-technical business users
- Explain the value of Data Science to clients, including a presentation to Directors and CTO
- Currently lead machine downtime prediction project involving over 60 plants and 300 machines

BI Solutions Consultant
Axis Group, 2014 - 2016

- Designed and implemented ETL processes, dashboards, and reporting tools
- Pulled from varied data sources and combined into denormalized data models for reporting
- Implemented Banker Dashboard app used by hundreds of bankers, managers, and C-level executives to track billions of dollars in deals
- Automated daily manufacturing reporting process, saving 70 hours of manual work per day
- Created Salesforce reporting application used daily by hundreds of sales reps reps

EDUCATION

Georgia Tech
MS Computer Science, 2016 - Present

- Coursework includes Machine Learning, Machine Learning for Trading, Algorithms, Reinforcement Learning & Decision Making, AI, Data and Visual Analytics
- Predicted Wine Quality and Census Income using K-NN, Decision Trees, Boosted Trees, Neural Networks, and SVMs; Analyzed performance of different models and hyperparameters on results
- Applied K-Means, PCA, ICA, LDA, and Random Projections to above datasets and analyzed results
- Implemented Single, Double, and Dueling Deep Q-Learning based on Google Deepmind papers and used them to play Lunar Lander in the OpenAI Gym environment
- Replicated results of influential papers on TD-λ and multiagent learning

Georgia Tech
BS Industrial Engineering, 2009 - 2013

- Coursework includes Probability, Statistical Methods, Investment Analysis, Object Oriented Programming, Game Theory, LP Optimization, Simulation, Stochastic Systems, Databases

SKILLS & BACKGROUND

- **Machine Learning:** Classification, Regression, Clustering, Reinforcement Learning, Feature Transformation, Deep Learning (Keras & TensorFlow)
- **Languages**: Python (pandas, sklearn, numpy, scipy, keras, tensorflow), R, SQL
    - Exposure to Clojure, Elixir (Phoenix), Java, JavaScript (D3)
- **Visualization:** Matplotlib, ggplot, Visdom, QlikView, Qlik Sense, Tableau
- **Other:** Extensive experience communicating and presenting results to non-technical users; ETL; Data Warehousing; Dashboard Design; Experience with Financial, Sales, Logistics, and Manufacturing data & reporting; Basic software engineering experience