Rógvi Dávid Arge

Data Science & Optimization Consultant

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SUMMARY

Data Scientist with more than 4 years of experience in agile project development and a passion for deep learning, predictive analytics and optimization. Vast experience in data wrangling, exploratory data analysis, machine learning and data visualization and applying these skills to generate corporate wide improvements.

EXPERIENCE

Arge Innovations | Owner & Data Science Consultant   *Dec. 2018 - Present*
Agile development and deployment of data science, and optimization products.

DFDS A/S (Contract) | Data Science Consultant   *Dec. 2018 - May. 2019*
Initialized a revolution of the transportation & logistics industry by:
- Helping reduce RMSE of prediction algorithm by 20% and implementing a number of scalable machine learning model
- Enabling a completely new transportation planning paradigm by implementing optimization tool that visualized plans to users

ATP= | Data Scientist   *Feb. 2017 - Dec. 2018*
- Decreased prediction failures caused by server downtime by building a Flask based server/database monitoring system
- Enabled investigation of people with complex fraud patterns by implementing a hybrid machine learning expert system model
- Reduced payments of social benefits to fraudulent people by more than 10 mio. using expert systems

ConWX | Programmer & Data Analyst   *Apr. 2015 - Feb. 2017*
- Greatly increased one of our largest clients monthly revenue by discovering a way to improve our forecasts by 18%
- Designed and developed a monitoring system essential for forecast quality assurance and improvement

Udacity Data Analyst Nanodegree Project
Explore and Summarize Data   *Feb. 2016*
Scraped `Boliga.dk` and income statistics for people in Copenhagen. EDA showed an explosive increase in appartment prices around 500%, as well as the effects of the economic crisis on declining size of raises.
● Python ● R ● MongoDB ● EDA ● Data Wrangling

EDUCATION

Copenhagen University | M.Sc. in Physics   *2012 - 2015*
Focus on computational physics, machine learning and mathematical modeling.

Copenhagen University | B.Sc. in Physics   *2009 - 2012*
Focus on laser physics, optics, and quantum mechanics.

CERTIFICATIONS

Coursera | Deep Learning Specialization   *2018*
Development of deep learning models in Tensorflow & Keras. Specialization taught by Andrew Ng on Coursera.

Udacity | Data Analyst Nanodegree   *2015 - 2017*
Project based courses teaching essential knowledge and skills for data scientists.

TECHNICAL SKILLS

Skill	Level
Python	●●●●●
Machine Learning	●●●●●
Optimization	●●●●●
Operations Research	●●●●●
Data Visualization	●●●●●
Data Analysis	●●●●●
Modeling	●●●●●
Statistics	●●●●●
Git	●●●●●
SQL	●●●●○
D3	●●●●○
HTML	●●●●○
CSS	●●●●○
JavaScript	●●●○○
C#	●●●○○
Docker	●●●○○
AWS	●●●○○
Azure	●●●○○
MongoDB	●●●○○
R	●●●○○

SOFT SKILLS

Skill	Level
Problem Solving	●●●●●
Critical Thinking	●●●●●
Communication	●●●●●
Adaptability	●●●●●
Project Planning	●●●●●
Decision Making	●●●●●
Scrum	●●●●○

LANGUAGES

Native speaker

Language	Level
Faroese	●●●●●
Danish	●●●●●

Professional proficiency

Language	Level
English	●●●●○

Elementary proficiency

Language	Level
Norwegian	●●●○○
Swedish	●●●○○
French	●●○○○