

# Rogvi David 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

**Owner** | Arge Innovations *Dec. 2018 - Present*  
Agile development and deployment of data science, machine learning, and optimization products.

**Data Science Consultant** | DFDS A/S *Dec. 2018 - May 2019*  
Spearheaded a paradigmshift 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

**Data Scientist** | ATP *Feb. 2017 - Dec. 2018*  
Matured the data science efforts within social benefit fraud detection

- Reduced 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

**Data Analyst** | ConWX *Apr. 2015 - Feb. 2017*  
Used analytics and machine learning to increase client revenue and implemented software solutions to distribute these models to customers

- 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

## EDUCATION

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

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

## CERTIFICATIONS

**Deep Learning Specialization** | Coursera *2017 - 2018*  
Development of deep learning models in Tensorflow & Keras. Specialization taught by Andrew Ng on Coursera.

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

## TECHNICAL SKILLS

Python	●●●●●●
Machine Learning	●●●●●●
Optimization	●●●●●●
OR	●●●●●●
Data Visualization	●●●●●●
Data Analysis	●●●●●●
Modeling	●●●●●●
Statistics	●●●●●●
Git	●●●●●●
SQL	●●●●●●
Deep Learning	●●●●●●
Flask	●●●●●●
API	●●●●●●
D3	●●●●●●
HTML	●●●●●●
CSS	●●●●●●
JavaScript	●●●●●●
C#	●●●●●●
Docker	●●●●●●
AWS	●●●●●●
Azure	●●●●●●
MongoDB	●●●●●●
R	●●●●●●

## SOFT SKILLS

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

## LANGUAGES

Faroese	●●●●●●
Danish	●●●●●●
English	●●●●●●
Norwegian	●●●●●●
Swedish	●●●●●●
French	●●●●●●