

# Rógvi Dávid Arge

## Data Science & Optimization Consultant

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## SUMMARY

Data Science Consultant with 3+ years experience in agile project development and a passion for machine learning and optimization. Vast experience in data wrangling, exploratory data analysis, machine learning and data visualization and applying these skills to generate corporate wide improvements. Expert at involving- and making the business take ownership of projects.

## EXPERIENCE

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

**Arge Innovations** | Data Science Consultant - DFDS A/S *Dec. 2018 - May. 2019*

- Helped migrate prediction algorithm to Python and guide the development and implementation of a scalable machine learning approach. New model decreased RMSE by 20%
- Scoped, developed, and deployed an optimization algorithm for transport operations
- Deployed dockerized Flask APIs and Frontends to DFDS Kubernetes cluster

**ATP=** | Data Scientist *Feb. 2017 - Dec. 2018*

- Developed database monitoring system essential for our day to day work. We never missed a prediction because of database downtime since then
- Built machine learning model for finding citizens who reported false addresses. Allowed us to find people with complex fraud patterns
- Developed multiple expert systems designed to capture specific types of fraudulent behaviour

**ConWX** | Programmer & Data Analyst *Apr. 2015 - Feb. 2017*

- Discovered and validated a way to improve forecasting for our clients by 10-25% vastly increasing client profit per month
- 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 apartment 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

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

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

## LANGUAGES

<b>Native speaker</b>	
Faroese	●●●●●
Danish	●●●●●
<b>Professional proficiency</b>	
English	●●●●●
<b>Elementary proficiency</b>	
Norwegian	●●●●●
Swedish	●●●●●
French	●●●●●