

Markus Odenthal

Curriculum Vitae

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Personal data

Name Markus Odenthal
Date of birth 08.09.1991
Nationality German

Technical skills

Coding Python, Web (HTML/CSS), Java, R
Manipulation Pandas, Numpy, SciPy, Dask
Machine learning Tensorflow, Scikit-learn, Keras
Visualization Seaborn, Matplotlib, Plotly, Tableau

Experience

- 03.2018–Present **Working Student Data Science, Daimler AG, Sindelfingen.**
- Make Customer Analysis Tool 38 % faster with parallel computing library dask
 - Optimise user-friendliness by issuing warnings in the event of incorrect entries
- 09.2017–03.2018 **Data Science Intern, Daimler AG, Sindelfingen.**
- Building a data analysis Tool from scratch to analyzing driving data and deriving an understanding of links between technologies, environment and customer needs, to simulate buying decisions.
 - By Building the Tools i used the Python libraries: NumPy, pandas, SciPy, matplotlib, and scikit-learn
 - Used GitLab for version control
 - Used Scrum Methode for agile project management
- 10.2016–08.2017 **Working Student, DS eCommerce GmbH, Cologne.**
- Assistance in the creation of an online shop
 - Expand the range on the platforms eBay and Amazon
 - Project responsibility for the new brand DS eCommerce GmbH
- 09.2015–07.2016 **Work and Travel, Kanada.**
- English improvement
 - Experiences with another culture

- 07.2013–09.2015 **Cooperative State University Bachelor of Engineering**, *ABB AG*, Mannheim.
Working areas: Software Development, Electrical Engineering for electric utilities, project management
- 07.2011–07.2012 **Electrician for automation engineering**, *Evonik AG*, Niederkassel.
- 09.2008–07.2011 **Apprenticeship - Electrician for automation engineering**, *Evonik AG*, Niederkassel.

Education

- 10.2016–Present **Master of Science**, *University of Stuttgart*, Stuttgart.
Field of study: Sustainable Electrical Power Supply
- 02.2018–04.2018 **Deep Learning Specialization**, *Coursera*.
- Neural Networks and Deep Learning
 - Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
 - Structuring Machine Learning Projects
 - Convolutional Neural Networks
- 04.2017–09.2017 **Deep Learning Foundations**, *Udacity*.
Introduction to the field of Artificial Intelligence, using weekly videos, projects and expert feedback and review.
Previously edited projects:
- **Project 1:** Your first neural network
Build and train your own Neural Network from scratch to predict the number of bikeshare users on a given day.
 - **Project 2:** Image Classification
Classify images from the CIFAR-10 dataset using a convolutional neural network.
 - **Project 3:** Generate TV scripts
Use deep learning to generate new scripts for my favorite TV show.
 - **Project 4:** Make a translation chatbot
Build a chatbot that translates text in real time.
 - **Project 5:** Generate faces
Use a generative adversarial network (GAN) to generate novel faces.
- 07.2016–11.2016 **Introduction to Programming Nanodegree**, *Udacity*.
- 09.2012–09.2015 **Bachelor of Engineering**, *Cooperative State University Baden-Württemberg*, Mannheim.
Field of study: Power Engineering

Stuttgart, der 18. Juni 2018

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