
Personal Data - Kay Oliver Kozaronek

Homepage kaykozaronek.github.io/Personal-Portfolio/
Github github.com/KayKozaronek
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Machine Learning Engineer who studied and worked in 4 countries. Values modular programming and version control as the key to collaboration. Strong preference for clear communication over convoluted lingo. Enthusiastic about computational linear algebra and the kernel trick. Loves to think about autonomous vehicles, health extension, space colonization, brain machine interfaces and UBI.

Education

- 09/2019 - 06/2022 **University of Mannheim - Master in Culture and Economics (M.A.)**
Focus on Analytical Philosophy, Design Thinking & Lean Software Development, Entrepreneurship
- 09/2020 - 03/2022 **MITx - MicroMasters in Statistics and Data Science**
Probability Theory, Machine Learning with Python, Fundamentals of Statistics and Data Analysis in Social Sciences (Master/ Graduate Level studies)
- 03/2020 - 09/2020 **IMMUNE Technology Institute Madrid - Data Science Bootcamp**
Programming and Frameworks for Machine Learning in Python & R
[Final Project: Fake News detection and generation \(GPT2\)](#)
- 09/2015 - 12/2018 **University of Mannheim - Business Administration (B. Sc.)**
Bachelor Thesis: Adoption of Cloud Computing in Healthcare Services
- 09/2017 - 02/2018 **Athens University of Economics and Business - Semester Abroad (B.Sc.)**
Focus on Entrepreneurship and Innovation Management

Projects

- [Machine Learning from Scratch](#) In this ongoing project I implement the most common Machine Learning Algorithms from Scratch in Python to get a deeper understanding of their inner workings and nifty details.
- [Sentiment Analysis of Movie Reviews](#) This project includes implementations of Hinge Loss, Perceptron and Pegasos algorithm from scratch. Stopword removal and bag of words are implemented to arrive at accurate sentiment predictions and the most predictive words.
- [Face Detection Frontend & Backend](#) This React App detects faces in pictures that the user provides through an URL. It features user authentication and keeps a simple user score. It is connected to a Backend that handles user requests and stores user information in a PostgreSQL database. - f-d-smart-brain.herokuapp.com/
- [RecoRetail](#) In a team of 5 we worked on starting a company that improves the experience of bike buyers and retailers by creating an app that recommends bikes to potential buyers and integrates an easy appointment scheduling with retailers - recoretail.herokuapp.com/

Work Experience

- 02/2021 - 04/2021 **Omdena - Junior Machine Learning Engineer**
Collaboration with health tech startup "Humanity" and 50 Machine Learning Engineers. Development of a weighted scoring algorithms capable of predicting the effect of recommended actions on the user's rate of aging.

<i>07/2018 - 10/2018</i>	Porsche Consulting GmbH - Intern Financial Consulting Development of a digital workplace application for the digitalization of the corporate customer branch of a major German bank. Conception of an agile work environment and process optimization of the corporate communication department of another big bank.
<i>04/2018 - 06/2018</i>	Deep Value Advisors LLP - Intern Communications Consulting Preparation of behavioral guidelines for employees in case of critical incidents and general crisis communication. Sponsoring work and organization of a major alumni meeting for the University of St. Gallen (HSG).
<i>07/2016 - 09/2016</i>	Horbach Wirtschaftsberatung GmbH - Intern Financial Consulting Customer canvassing, preparation and post-processing of customer discussions and execution of market analyses. Further developments in skills related to optimal customer support.

Extracurricular Activities

<i>Since 10/2018</i>	University of St. Gallen Member of the organization committee responsible for planning and realizing the 6 th & 7 th HSG Alumni Germany Conference for 200-300 participants. Development of a whitepaper on "The future of Europe in 2050".
<i>Since 09/2015</i>	Corps Rheno-Nicaria zu Mannheim und Heidelberg Acquisition of leadership experiences in the role of chairman in a student association (2016-17). Organizing and publicly speaking at numerous events with up to 200 participants. Continuation of voluntary work as a mentor.

Further Developments

<i>06/2020 - 09/2020</i>	Natural Language Processing (NLP)	- Coursera (deeplearning.ai)
<i>06/2020 - 12/2020</i>	Deep Learning Specialization	- Coursera (deeplearning.ai)
<i>06/2020</i>	Tensorflow Developer Certificate	- Tensorflow (Google)
<i>04/2020 - 06/2020</i>	TensorFlow in Practice Specialization	- Coursera (deeplearning.ai)
<i>12/2019 - 03/2020</i>	Machine Learning	- Stanford University (Andrew Ng)

Skills and Languages

<i>Programming Languages</i>	Python JavaScript C	- Proficient - Intermediate - Beginner
<i>Data Science</i>	Pandas, Numpy, Matplotlib, scikit-learn Tensorflow Pytorch	- Proficient - Intermediate - Beginner
<i>Web Development</i>	HTML 5 & CSS 3 React.js Node.js, Express.js	- Proficient - Intermediate - Beginner
<i>Databases</i>	PostgreSQL, MongoDB	- Beginner
<i>Linguistic Proficiency</i>	German Polish English Spanish French	- Native - Native - Business Fluent (C2) - Conversational (B2) - Conversational (B1)