


Tom Kral

IT Trainee & Big Data Enthusiast

 14-05-1992 (30 years)

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 Assen, Drenthe



I believe that for every analytical problem, there are results to be gained. Every outcome tells us something that we can learn from. It's my ambition to analyse problems and/or questions and come to a solution in a structured manner. Data analyses can either change or confirm the way we see things. I aspire to guide myself and others to making better decisions faster. By doing studies, traineeships and my own projects I want to specialize in the fields of Big Data and Machine Learning to reach these goals.

WORK EXPERIENCES

Junior Data Engineer Wise

OCLC | 2022 - Present

OCLC builds technology that connects thousands of public libraries. Wise is one of the software products made by OCLC that facilitates these connections. I'm part of the data team that facilitates an analytics pipeline for Business Intelligence purposes. This work experience is through the IT traineeship program of YoungCapital NEXT and a continuation of the program.

IT Trainee Big Data

YoungCapital NEXT | 2022

The Young Capital Next agency provides an IT traineeship to boost careers. In two years I will be prepped as a junior Big Data/BI engineer. While gaining experience in the work field, I will also receive training and courses to gain certificates. This work/learn combination ensures I gain knowledge from both a theoretical and practical side. The traineeship started with a 4 week general bootcamp and continued with courses specific to Big Data.

GEO Registration Employee

Netherlands Enterprise Agency (RvO) | 2020 - 2021

I was part of the GEO team that investigates if the borders of Dutch farmlands are in accordance with regulations. I reviewed the disagreements agrarians brought to our attention and check if our border needs to be changed or not, based on aerial photographs. I also engaged in conversations over the phone if the disagreements persist to provide explanations regarding the regulations.

Data Entry Employee

Noordhoff Publishers | 2019

The learning methods of Noordhoff come with an online learning environment for students. I digitalised the textbooks to make the content and exercises available online. My projects included books for prospective nurses (higher education) and books for Dutch classes (high school).

PROJECTS

Detecting birds with the Raspberry Pi

Python, SQL, Raspberry Pi

One of my hobbies is bird watching, but don't always have the time. With a Raspberry Pi and camera, I created a pipeline to detect birds that visit the feeder on my balcony. This information gives me more insight in the lives of urban birds.

Does Sentiment, Expressed by Tweets, Have an Effect on Vaccination Coverage With COVID-19 Vaccinations?

R, Sentiment Analysis,
Linear Regression

This was my final project at the LOI. During my studies, the pandemic became a worldwide dilemma. Vaccinating is the answer, but opinions about this approach differ. I asked myself if these sentiments can be measured, and if they have an effect on the willingness of people to receive an injection.

SKILLS

Technical

Python
R
MySQL
HTML & CSS
Machine Learning

Professional

Effective communication
Critical Thinking
Patience
Asking Questions

EDUCATION

BSc Big Data Specialist
Leidse Onderwijsinstelling (LOI)
2019 - 2021
30/30 EC recieved

BSc Bioinformatics
Hanze University of
Applied Sciences
2010 - 2017
181/240 EC recieved

CERTIFICATIONS

Certified Big Data Consultant
Arcitura Education (2022)

Agile Scrum
EXIN Foundation (2022)

PCEP – Certified Entry-Level
Python Programmer
Python Institute (2022)

LANGUAGES

Dutch (Native)
English (Professional)

INTERESTS

Reading
Bird Watching
Hiking