Mark
Van de Streek
Student bioinformatics

ABOUT ME

I'm currently an third year bioinformatics student at the Hanze University of applied sciences.

I'm really passionate about using the biology to develop applications that can be used in the workfield

CONTACT ME

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📍 Wezep, Netherlands

SKILLS

- Python
- R
- Java
- Databases
- Genetics
- Genomics
- Immunology
- Biochemistry

EDUCATION

Course Studied   2017 - 2021

Senior general secondary school at Carolus Clusius College

Course Studied   2021 - Present

Bachelor bioinformatics at Hanze University of applied sciences

PROJECT EXPERIENCE

Gene expression analysis of smokers/vapers   2022

Second year of bachelor

A previously published dataset on gene expression from traditional smokers and e-cigarette smokers was used to analyze the genes differentially expressed in e-cigarette smokers

PC Dashboard for the Hanze bioinformatics department   2023

Third year of bachelor

Created a dashboard where the information from every PC of the bioinformatics department can be monitored. Both the back-end information requests and the front-end styling were covered in this project.

NGS sequence data annotation pipeline for a laboratory   2022

Second year of bachelor

Rewrote an already constructed pipeline from a laboratory. The pipeline produces a count matrix showing how many aligned reads overlap. The entire pipeline is written in Python.

Machine learning model to predict a heart disease   2023

Third year of bachelor

Developed a machine learning model that can predict heart diseases using 10 clinical variables of a patient (heart rate, cholesterol, blood pressure, etc.). The created model was published in a Java command-line application.