

# KEIMPE DIJKSTRA

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## EDUCATION | HANZE HOGESCHOOL GRONINGEN (2020-2024)

BACHELOR OF SCIENCE, BIO-INFORMATICS

- Relevant courses: statistics, data mining, algorithms and data structures, (bio-) chemistry, genetics, math, immunology, microbiology, databases

## VAN HALL LARENSTEIN LEEUWARDEN (2023)

MINOR, PHARMACOGENETICS

- Relevant courses: pharma, physiology, analytical chemistry, PBPK modelling, in vitro models

## SKILLS AND TALENTS

- Programming languages: python, R, java, SQL
- Experience with linux and command-line interface
- Knowledge of machine learning and statistical modelling
- Hands on experience with bio-informatics tools and algorithms such as hmmer, BLAST, clustal, biopython, SIFT, bioconductor etc
- Good reporting and presentation skills
- Data visualization with ggplot, matplotlib etc
- Familiar with front- and backend web development
- Version control using GIT

## WORK EXPERIENCE | EVENT EMPLOYEE BEUKER EVENTS

MRT 2018 TO CURRENT

Here I work as the right hand of a young entrepreneur in the events industry, because I started here as the first employee of the company I got a lot of responsibility from the start which resulted in me developing a strong work ethic and a great stress resistance.

Selection activities:

- Organizing and construction of events
- Maintenance of inventory
- Improving business processes
- Directing staff

## FEATURED PROJECTS

A few projects made as part of the curriculum of the bio-informatics major

### PYTHON PIPELINE FUNCTIONAL GENOMICS

We, as a group, designed and constructed an alignment pipeline for the automated analysis of NGS data

### WEATHER AND ACUTE AORTIC DISSECTION

In collaboration with the department of perfusion at the UMCG hospital we developed a portal to research the relation between change in weather events and the occurrence of acute aortic dissection

### CIRRHOSIS PREDICTION

A machine learning model developed to predict the stage of cirrhosis using blood and urine sample values

## LINKS

- **LinkedIn:** <https://www.linkedin.com/in/keimpe-dijkstra/>
- **Github:** <https://github.com/keimpedijkstra>