

Ricardo van der Raaf | Data Sciences for Biology student

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I'm a data-driven Life Sciences student specialized in Data Sciences for Biology using Python, R, Bash and SQL. I like to tackle challenges head-on and am solution-orientated.

Education

Life Sciences

Utrecht University of Applied Sciences (HU)

2017 - Present Day

- Specialized in Data Sciences for Biology
- Minor: Big Data & Design
- Propaedeutic degree received for courses in immunology, molecular biology, microbiology and experimental design.

HAVO N&T and N&G

IJsselcollege Capelle aan den IJssel

2011 - 2016

- Courses: biology, chemistry, physics, advanced mathematics, English and Dutch.

Programming experience (school projects)

B2B webshop hackathon

Collaboration with Happy Horizon

april 2024

- Reducing abandoned shopping carts in a B2B webshop through design changes, backed by analysis of provided sales data.
- Skills used: Python, R, Figma, design research, group work

Long-read sequence analysis

Data Sciences for Biology specialization course

april 2023 - june 2023

- During this project I wrote a workflow in Bash and R for the quality control of long-sequence reads through principal component analysis (PCA), differential gene expression (DGE) analysis and the IGV browser. This was achieved through both existing programs like minimap2 and DESeq2 as well as self-written scripts.
- Skills used: bash, R, Git, academic research

Skills & Qualities

Programming languages

Python, R, bash, SQL, Git

Human languages

English (advanced), Dutch (native)

Lab skills

Experimental design, cell culturing, western blotting, SDS-PAGE

Qualities

Eager to learn, ambitious and calm-headed

Working experience

Utrecht University of Applied Sciences (HU)

Student informer

2021 - Present Day

- Giving presentations at High Schools about university life and picking the right program
- Patrolling during exams

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