

# Curriculum Vitae

## PERSONAL

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## EDUCATION

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2019-2021 | Master Computer Science  
Data Science Track, Bioinformatics Specialization Programme.

2017-2018 | Computer Science Bridging programme

2014-2018 | Bachelor Nanobiology  
Nanobiology employs a combination of physics, mathematics and biology to gain a quantitative understanding of the smallest building blocks of life.

## WORK EXPERIENCE

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FEB- 2020 | Software Developer | Single Quantum, manufactures single photon detectors  
Together with two other part-time working students developed a Laboratory Information Management System (LIMS) using Django for managing and analysis of test data to replace the old system using Google Sheets.

FEB-AUG 2019 | Research Assistant Bioinformatics | Brouns lab TU Delft  
The Brouns lab is a wet lab research group specialized in CRISPR and microbe bacteriophage interactions. I assisted by doing genome assembly analysis and pipeline writing, next to continuing research on the topic of my Bachelor thesis.

JUL-OKT 2018 | Bachelor End Thesis | Genome Wide Analysis of Autoimmunity by CRISPR Systems  
Brouns lab TU Delft and the Utrecht Bioinformatics center  
Finding self-targeting events in a database of more than 100.000 genomes, and linking this to CRISPR-cas type, (pro)phage presence, or gene targeted.

2015-2019 | Teaching assistant | Nanobiology programme  
Electrical Instrumentation, Computational Science, and Bioinformatics.

## EXTRACURRICULAR

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2018 | Treasurer Stichting SurvivalStrijd Delft  
The SurvivalStrijd is a yearly survivalrun (obstacle race) with over 800 participants. I took care of finances and participant registration.

FEB-NOV 2017 | TU Delft D:DREAM Team iGEM  
In a multidisciplinary team I helped developing an on-site testing device for antibiotic resistant bacteria, using CRISPR-Cas13a. My role involved bioinformatics and website building.  
Awarded with the Grand Prize (overgrad) and 8 special awards.

2016-2017 | Treasurer S.B.V. Slopemd (Outdoor sports association)  
Implemented the use of an accounting program to manage the increasing number of members.

## TECH

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Advanced: Python (Django, Pandas, Seaborn, etc.), Bash (with AWK, GNU Parallel, etc.), JavaScript  
Familiar: Java, Perl, R, LaTeX, AWS, SQL, HTML/CSS  
I like to use: Vim, Git, Tmux, Zsh, Linux