

KAI WALDRANT

BIOINFORMATICIAN - FREELANCE WEBDEVELOPER – LAB
TECHNICIAN – TECH ENTHUSIAST

- > Rodekruislaan 2, 2660 Hoboken
- > +32 478 43 58 25
- > k_waldrant@hotmail.com
- > 21 September 1988
- > Belgian
- > Driver's license B
- > <https://kwaldrant.github.io>



My interest in life science and IT is the reason I became a bioinformatician after a career as lab technician. I am also a self-taught web developer creating websites in my free time.

EXPERIENCE

Bioinformatician consultant

July 2021 – March 2022

Science talents

ZNA Middelheim (July 2021 – March 2022)

- Automate data analysis for sars-cov-2 NGS.
- Create Framework for sequencing data analysis (python): pipelines, user frontend (flask)
- Data management of sequencing data.
- Implementation of Illumina MiSeq instrument.

Application Developer

November 2020 – July 2021

AML, Sonic Healthcare Benelux

- Develop application solutions (PHP).
- Create new website with Umbraco technology.
- Restart IT business after cyber-attack:
staging new laptop/ create new network plan for labs/
patching networks/ ...
- Analyze and restore existing PHP/MySQL applications (cyber-attack).

IT support (Temp)

September 2020 – October 2020

GO! CVO Antwerpen, volwassenonderwijs

- Update and stage desktops in Azure environment.
- Install new equipment (desktops, printers, AP's, ...).

Bioinformatician

September 2018 – October 2020

Multiplicom, a part of Agilent Technologies

- Programming pipelines for ISO17025 and R&D projects
- Troubleshooting pipeline issues.
- Maintain and update existing pipelines for data processing and analysis of sequencing data.
- Data backup in AWS.

Lab technician

May 2015 – October 2020

Multiplicom, a part of Agilent Technologies

- Setting up ISO17025 accredited laboratory (MASTR Facility).
- Perform genetic testing on samples (multiplex PCR, DNA sequencing).
- Perform quality control testing.
- Validation of methods, equipment, and computerized systems.
- Ordering and maintenance of equipment and consumables.
- Responsible for temperature logging and alarm intervention.
- Automation.
- New personnel training.
- Customer support.

Lab technician

February 2013 – April 2015

Centre for Microbial and Plant Genetics,
Katholieke Universiteit Leuven, Heverlee

Lab technician – Abroad

May 2014

University of Washington, Seattle

EDUCATION

Advanced Bachelor Bioinformatics

2017 – 2018

Hogeschool West-Vlaanderen, Rijselstraat, Brugge

Quality trending platform for Illumina MiSeq, MiniSeq and NextSeq instruments

Internship 2018

Multiplicom, a part of Agilent Technologies

Post Graduate Bioinformatics @ Home

2012 – 2015

Hogeschool West-Vlaanderen, Rijselstraat, Brugge

Thesis: synthesis and biological

Internship 2012

activity of new multi-target naphthalimide and bisnaphthalimide derivatives.

Robert Gordon University, School of Pharmacy and Life Science, Aberdeen, Scotland

Pharmaceutical and Biological

2009 – 2012

Laboratory Techniques

Plantijn Hogeschool, Department of Applied Science and Education, Antwerpen

SKILLS

Languages

- Native language: Dutch
- Fluent: English

Programming languages & Tools

Bioinformatics programming

Linux, Perl, Python, R, Rshiny, Flask

Web development

HTML5, CSS3, JavaScript, PHP, Bootstrap

Tools

Visual Studio Code, Github, AWS

Web development projects

- ✓ <https://kwaldrant.github.io/>
- ✓ <https://madambloem.be> (under development)
- ✓ <https://michaelschackmusic.com>

INTERESTS

Professional

My interests are automation data pipelines and data analysis preferably with genomics but I do not exclude proteomics or other disciplines. I preferably work in a research setting but I do not scare from a validation if needed.

I also have a keen interest in LIMS, lab automation, AI and Machine Learning. I'm allways open to learn new skills e.g. system and network management.

Personal

Apart from being a programmer and web developer, I am also an aspiring builder (Home renovation). My love for travel can be perfectly combined with acting as a photographer.

When forced indoors, I like to read fantasy books, love going to the cinema with my wife, be an aspiring chef, and spend a large amount of my free time exploring the latest technology advancements (read: watching YouTube, reading articles and gaming).

As for sports I try to bike to work and keep up with my personal training. If time allows (home renovation), I would like to start bouldering again.

But the most important interest is my lovely daughter!

AWARDS & CERTIFICATIONS

- ✓ Workplace first aid (Rode kruis) and evacuation steward
- ✓ BVLT vzw 2011-2012 for best thesis (Plantijn Hogeschool)