KAI WALDRANT
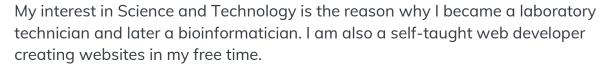
BIOINFORMATICIAN - FREELANCE WEBDEVELOPER –
LAB TECHNICIAN – TECH ENTHUSIAST

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> Belgian
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> https://kwaldrant.github.io

My interest in Science and Technology is the reason why I became a laboratory technician and later a bioinformatician. I am also a self-taught web developer creating websites in my free time.

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EXPERIENCE

Application Developer   November 2020 – present
AML, Sonic Healthcare Benelux

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

IT support (Temp)   September 2020 – October 2020
GO! CVO Antwerpen, volwassenonderwijs

- Update and stage desktops in Azure environment.
- Install new equipment (desktops, printers, APs, …).

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 – MASTR Facility

May 2015 – October 2020

Multiplicom, a part of Agilent Technologies

- Setting up ISO17025 accredited laboratory.
- 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 – Center for Microbial and Plant Genetics

February 2013 – April 2015

Katholiek universiteit Leuven, Heverlee

Lab technician – Abroad

May 2014 – May 2014

University of Washington, Seattle

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EDUCATION

Quality trending platform for Illumina MiSeq, MiniSeq and NextSeq instruments

Internship 2018

Multiplicom, a part of Agilent Technologies

Advanced Bachelor Bioinformatics

2017 – 2018

Hogeschool West-Vlaanderen, Rijselstraat, Brugge

Post Graduate Bioinformatics @ Home

2012 – 2015

Hogeschool West-Vlaanderen, Rijselstraat, Brugge

Thesis: synthesis and biological activity of new multi-target naphthalimide and bisnaphthalimide derivatives.

Internship 2012

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

Pharmaceutical and Biological Laboratory Techniques

2009 – 2012

Plantijn Hogeschool, Department of Applied Science and Education, Antwerpen

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SKILLS

Languages
- Mother tongue: Dutch
- Fluent: English

Programming languages & Tools
Web development

HTML5, CSS3, JavaScript, PHP, Bootstrap

Bioinformatics programming

Linux, Perl, Python, R, Rshiny

Tools

Visual Studio Code, Github, AWS

Web development projects
- ✓ https://kwaldrant.github.io/
- ✓ https://madambloem.be (under development)

- ✓ https://michaelschackmusic.com
- ✓ https://festivaltheliving.be

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INTERESTS

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 and government (covid) permits, I would like to start bouldering again.

AWARDS & CERTIFICATIONS

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