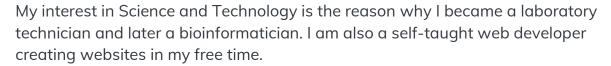
KAI WALDRANT

BIOINFORMATICIAN - FREELANCE WEBDEVELOPER - LAB TECHNICIAN - TECH ENTHUSIAST

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- > 21 September 1988
- > Belgian
- > Driver's license B
- > https://kwaldrant.github.io



EXPERIENCE

Consultant

July 2021 - present

Science talents

Bioinformatician @ ZNA Middelheim (July 2021 - present)

- Help automate data analysis for sars-cov-2 NGS.
- Create Framework for sequencing data analysis (python): pipelines, user frontend (flask)
- Data management of sequencing data.
- Help with 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 – 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

University of Washington, Seattle

EDUCATION

| Quality trending platform for Illumina MiSeq, | Internship 2018 |
|---|-----------------|
| MiniSeq and NextSeq instruments | |
| 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 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 Laboratory Techniques

2009 - 2012

Plantijn Hogeschool, Department of Applied Science and Education, Antwerpen

SKILLS

Languages

• Mother tongue: Dutch

• Fluent: English

Programming languages & Tools

Web development

HTML5, CSS3, JavaScript, PHP, Bootstrap, Flask

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

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 permits (home renovation), 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)