

# DYLLAN CARTWRIGHT B.Sc (SOFTWARE ENGINEER)

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## PROFILE

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Results-oriented Software Engineer with 4+ years of experience and a proven track record in delivering successful projects. Proficient with multiple languages and skilled in agile methodologies. Experienced in developing robust (embedded) software solutions, web applications, data analysis tools, leading software development teams, and managing complex projects from inception to deployment. Passionate about creating innovative and reliable solutions.

## EXPERIENCE / JOBS

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### GitGud Software Development B.V

Founder / Lead Software Engineer

Groningen, Netherlands

Feb 2021–Current

- A software development agency to take on software / web development projects.
- KVK: 93504829.

### ParaMedir (Client of GitGud)

(Lead) Embedded Software Engineer

Groningen, Netherlands

Feb 2021–Current

- Helping to create a medical device (the [UriMoni](#)) which was awarded €1.8m in funding from JTF.
- Built the (extremely bespoke) codebase from the ground up.
- I designed/assembled the prototype, which involved CAD / 3D-modelling and 3D-printing.
- Lead and mentor multiple interns across various engineering domains, overseeing the successful results of their projects.
- Developed a separate software tool specifically for data analysis and research and development for this project.

### Go-Nuggit (Client of GitGud)

(Lead) Data Analyst / Web Developer

(Remote) London, UK

Jan 2023–Aug 2024

- Automating financial analysis on large amounts of data.
- Helping setup database architecture.
- Creating live dashboards (using Django).
- Deployed using Google Cloud Platform (GCP).

### Informa Tech

Software Engineer (for Sales)

(Remote) London, UK

Sep 2021–Jan 2022

- Contracted for a 6-month project.
- Helped implement a software that automated a data-input pipeline for the Sales team.
- Saved each sales person an estimated 200 hours per year.
- Built a standardised data funnel in Python to efficiently store CRM information in the company's newly implemented Salesforce instance.

### Teaching at Rijksuniversiteit Groningen

Taught Computing Science courses and Biomedical Engineering courses. Main ones listed below;

Groningen, Netherlands

2020–2023

- [Web Engineering](#), [Big Data in Biomedical Engineering](#), [Applied Medical Visualisation \(masters\)](#).

## EDUCATION

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### Rijksuniversiteit Groningen

B.S. in Computing Science.

Groningen, Netherlands

2019–2023

- *Thesis*: “>\_next(log): A Tool for Log Generation of Adaptive Business Processes”: [Link](#).  
Was published, and submitted to the [EDOC 2023](#).
- *Key Courses*: Algorithms & Data Structures, Machine Learning, Artificial Intelligence, Advanced OOP, Parallel Computing, Web Engineering.

### iGEM

Participated in the RuG 2023 [iGEM](#) team.

Groningen, Netherlands

Feb 2023 - Nov 2023

- Achieved Silver.
- Worldwide competition for universities (400+) across the globe, with the goal to advance synthetic biology.
- Designed / programmed modular bacterial biosensor that utilises bacteriophages to detect and tackle biofilms formed on implants.

### British International College

Cambridge (CIE) A-Levels.

Johannesburg, South Africa

2015

- Maths - 95% (A\*) - This was joint highest in the country.
- Physics - 85% (A).
- Further Maths - 82% (A).
- Chemistry - 76% (B).

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## CS SKILLS

- **Languages:** Python, C/C++, Java, MATLAB, R.
- **Frameworks:** Qt, Django, Angular, React.
- **Tools & OS:** Git, L<sup>A</sup>T<sub>E</sub>X, Jupyter, Google Collab, GCP, Windows, Linux.
- **Web Skills:** HTML/CSS/JS, React(JS), Wordpress.

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## Non-CS SKILLS

- **Languages (Spoken):** English (Native), Dutch (A2).
- **MS Office:** Word, Excel, PowerPoint etc.
- **Editing Skills:** Adobe Photoshop / Illustrator.
- **Soft Skills:** Project management, team management, team player.