

# Max Griffiths

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## GitHub:

github.com/MaxDDDGGG

## Summary

I am a keen software developer with experience in data handling and life sciences specifically biomedical sciences and microbiology.

## Skills

### Technical skills

- Programming with Python, HTML, and CSS.
- OOP; Data transformation, manipulation and visualisation; Machine learning and AI.
- Ability to use Git, GitHub, PowerShell, SPSS statistical analysis software and Microsoft packages, especially Excel and VBAs.

### Soft skills

- Highly organised and excellent timekeeping ability.
- Experienced team leader, team worker with the ability to work autonomously.

## Projects:

### Fat Blobs – [github.com/MaxDDDGGG/FATBLOBS](https://github.com/MaxDDDGGG/FATBLOBS)

- I used Python, JavaScript and HTML for backend and frontend development.
- I utilise Flask to create a web server, Pandas for data handling, Matplotlib for visualisation and HTML templates are used for structure and style (CSS).

### Unnamed computer vision project

- I am collaborating with a small group of programmers to create a computer vision application.
- I label videos with appropriate tags and prepare for the machine learning for the labelled videos.

## Education

### HyperionDev

2023 - present; Software Engineering (DoE): [www.hyperiondev.com/portfolio/217754/](https://www.hyperiondev.com/portfolio/217754/)

### London Metropolitan University.

2018 - 2021; Post Graduate Diploma/Top up degree; Biomedical Science; Grade: 2:1.

### Leeds Metropolitan University.

2010 - 2014; Bachelor of Science; Public Health Nutrition (Hons); Grade: 2:2.

## Employment

### Microbiology - Gold Standard Diagnostics: Budapest, Hungary.

June 2022 – January 2024; Primary Scientist

- I was responsible for managing and leading a team of technicians; scheduling; training; creating and updating controlled documents and database setup and maintenance.

- I developed a procedure for variations of chemicals and bacterial strains, to revalidate the processes. I did this due to issues with suppliers, we were able to change the organisms and chemicals saving £10,000+.
- I ran investigations into the MID60 software algorithms and databases, which is used to identify bacterial strains. My report concluded that although the databases were outdated, they still provided the appropriate results, saving a significant sum of money and time.

### Primary Production – Microgen Bioproducts: Camberley, UK.

January 2021 – May 2022; Production Scientist

- I was responsible for manufacturing and testing fungal and bacterial identification kits, whilst ensuring the documentation was filled out appropriately; chemical and biological health and safety documentation, maintaining the culture collection; and I wrote SOP's and manufacturing batch records in line with ISO 9001.
- I ran many projects for process development, such as the vaccine process for the campylobacter latex, which doubled the yield of vaccine, we were able to produce.
- I ran product development projects such as one for the Salmonella test latex, which improved the final product by achieving a much cleaner negative.

### Northwest London Pathology - Charing Cross Hospital: London, UK.

April 2019 – January 2021; Associate Practitioner

- I was responsible for embedding, microtomy, special stains, mortuary duties and assisted with internal audits.
- I often stayed behind after normal work hours to transcribe the dissection dictations. I was able to work through several hundred in an hour and would clear the back log (500+).

December 2017 – April 2019; Senior Medical Lab Assistant

- I received and triaged samples and booked them in using the LIMS, assisted with the cut-up process, incorporating scribing and other supportive tasks.

### Blood Sciences- Charing Cross Hospital: London, UK.

March 2017 – December 2017; Medical Lab Assistant

- I booked in routine and urgent samples using the LIMS; I loaded, monitored and unloaded samples whilst conducting regular checks with quality controls and performed recalibrations and reagent changes.
- Whilst working on the A&E section, I was able to achieve a 100% target time (<1 hour). This was the only time I saw anyone do it and I got special recognition from the laboratory managers.

### Blanchette Soho: London, UK.

June 2016 – March 2017; Chef de Partie.

### Snow Candy: Morzine, France.

November 2015 - April 2016; Chalet host.

### Sandy Balls Holiday Park: Fordingbridge, UK.

August 2015 - November 2015; Chef.

### Mojo's Bistro: Serre Chevalier, France.

April 2015 - August 2015; Head Chef.

### Hotel Frejus- TUI: Serre Chevalier, France.

November 2014 - April 2015; Chef.

### Volunteer for the Visayans: Tacloban City, The Philippines.

May 2012 - April 2013; Volunteer Nutritionist.

## References

Are available upon request.